

# SPIRIT

SINGAPORE  
POLYTECHNIC | **SP**

THE ULTIMATE  
GUIDE TO

**Good  
Food**

in  
**SP**

P.30

EVERYTHING YOU NEED  
TO KNOW ABOUT OUR

**NEWEST  
COURSE,**

**THE DAAA**

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How to be your own

**BOSS**

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BRING ME TO LIFE  
SCAN ME NOW

Youths who  
**4 Never  
Gave Up**  
despite the  
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**Scholars**

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**THE SPIRIT TEAM**

**TEAM ADVISORS** Yvonne Chan & Low Su-Lin

**EDITORIAL TEAM** Lynn Wee, Dione Chew, Zulaikha Zulkiflee, Janelle Teo & Tricia Tay

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# WELCOME TO DAAA FUTURE

Let's face it. In the next 30, 20 or even 10 years, we could be living in a universe that is highly dominated with advanced technologies, artificial intelligence and machine learning.

You know, the kind where you wake up in the morning to a breakfast prepared specific to your nutritional needs by a Smart Fridge, and while enjoying it, your trusty Artificial Intelligence (AI) robot puts your playlist on loop and shares your schedule.

This is the ongoing digital revolution and could possibly be, the way forward.

With this vision in mind, SP has recently launched its newest course, the Diploma in Applied AI & Analytics (DAAA), to equip students with the skills and knowledge necessary to build AI tools, and innovate solutions for a myriad of business problems.

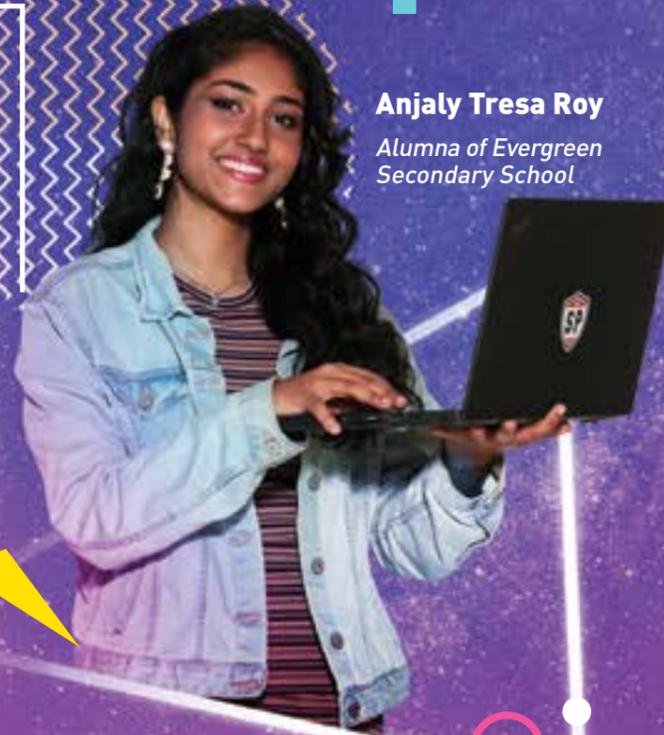
So, are you ready to be part of the squad that shapes the future?



Let's go on an adventure to check out the various AI technologies in Singapore! Scan me now

## COURSE HIGHLIGHTS

- » **Develop Novel Applications:** Employ cloud-based AI and machine learning skills to create virtual assistants and systems with Natural Language Processing (NLP).
- » **Apply AI & Analytics Algorithms:** Learn cutting edge algorithms such as Deep Learning Convolutional Neural Networks (CNN), Deep Recurrent Neural Networks (RNN), Generative Adversarial Networks (GAN), and Deep Reinforcement Learning (RL).
- » **Implement Practical AI:** Learn to apply AI to industries such as digital marketing, cybersecurity, Fintech and advanced manufacturing.
- » **Embark on Internship & Industry Projects:** Intern at selected local and overseas organisations to further develop your functional and technical skills. You will also contribute to these organisations by applying what you have learnt, while also gaining experience from a real-life working environment.



**Anjaly Tresa Roy**  
Alumna of Evergreen  
Secondary School

## ENTRY REQUIREMENTS

## GCE 'O' Level / SPM / UEC Qualifications

Applicants must obtain:

- i) the following GCE 'O' Level grades at not more than two sittings and
- ii) 26 points or better for the net ELR2B2 aggregate score (i.e. English Language, 2 relevant subjects and best 2 other subjects, including CCA Bonus points)

SUBJECT	GRADE
i) English Language (as 1st Language)	1 - 7*
ii) Mathematics (Elementary / Additional)	1 - 6
iii) Any two other subjects	1 - 6

To be eligible for admission, an applicant must have also sat for one of the following subjects:

- » Additional Combined Science
- » Additional Science
- » Biology
- » Biotechnology
- » Chemistry
- » Combined Science
- » Computing / Computer Studies
- » Creative 3D Animation
- » Design & Technology
- » Electronics / Fundamentals of Electronics
- » Engineering Science
- » Food & Nutrition
- » General Science
- » Human & Social Biology
- » Integrated Science
- » Physical Science
- » Physics
- » Science (Chemistry, Biology)
- » Science (Physics, Biology)
- » Science (Physics, Chemistry)
- » Science (Physics, Chemistry, Biology)



**Alyssia Teo**  
Alumna of Fajar  
Secondary School

## CAREER OPTIONS

Look forward to work in the Infocomm sector in the realm of software and applications, data or professional services. Graduates can also pursue a career in R&D, cybersecurity, digital marketing, finance and advanced manufacturing.

- » **Data Analyst:** Gathers information, interprets data and identifies patterns and trends that can help improve businesses.
- » **Data Engineer:** Develop, construct, test and maintain databases and Big Data systems, which data scientists use for analyses.
- » **Data Scientist:** Discover new knowledge and insights from data using prototypes, algorithms and custom analyses.
- » **Business Intelligence Specialist:** Design, develop and maintain business intelligence solutions. Presenting information through reports and visualisation.
- » **Application Developer:** Make computers perform specific tasks through programming language.
- » **Software Developer:** Design, install and test the maintenance of software systems.



**Li Zhang Yi**  
Alumnus of Yuan  
Ching Secondary  
School

## SCHOLARSHIPS

SP has scholarships to recognise outstanding students with excellent academic results and strong leadership potential.

- » CSIT Undergraduate Scholarship
- » Singapore Digital (SG:D) Scholarship (Polytechnic)
- » Industry Preparation for Pre-graduate (iPREP) Programme
- » Singapore Polytechnic (SP) Scholarship

## Further Studies

Graduates from DAAA may pursue degree programmes at local or foreign universities. Our graduates may also receive module exemptions in Specialist Diploma Courses offered by SP.



**Yong Hui Ting**  
Alumna of Zhonghua  
Secondary School



Watch me twirl!  
Scan me now

# SHOW 'EM WHAT YOU GOT

From analysing data to coding and developing apps, these projects exhibit the true abilities of our School of Computing students!



## ROBOTIC CAFE PLACEMENT

By **So Jia Le, Tan Weiqi, Sun Tianjing, Davon Teo Jun Hong, Jeremy Goh Jia Wei**

*Diploma in Business with IT*

Graduate of Jurongville Secondary School, Broadrick Secondary School, Serangoon Secondary School, Kuo Chuan Presbyterian Secondary School and Presbyterian High School, respectively

In order to help their client, Crown Coffee, find a prime area to establish their new robotic café, these students analysed data from [www.data.gov.sg](http://www.data.gov.sg) and developed a marketing strategy – based on the different areas' demographic information such as its population, income, competitor and employment – to help it achieve its goal.



## MEMORIES @ YOUR FINGERTIPS

By **Low Kar Choon, Chow Xun Rui, Ng Han Boon, Mohamed Igshan Bin Mohamed Alfin, Alain Pierre Rayos Paronda**

*Diploma in Information Technology*

Graduate of Jurong Secondary School, Swiss Cottage Secondary School, Fairfield Methodist Secondary School, Bendemeer Secondary School and Bedok View Secondary School, respectively

To help their client, KidZania Singapore, they developed an e-commerce platform to efficiently manage the process of receiving and handling customised orders for souvenirs. Customers can select a product, upload their preferred photos and designs onto the website, and receive their personalised souvenir!



## CYBER RANGE BUILDER

By **Peter Febrianto Afandy, Lai Yong Rong, Kuek Chee Hean, Keegan Tang Sze Kang**

*Diploma in Infocomm Security Management*

Graduate of Gan Eng Seng School, Riverside Secondary School and Marsiling Secondary School, respectively

How can trainees test and practice their cyber security skills? By trying their hand at hacking a system and testing out actual commands in a computing environment. And this is what the Cyber Range Builder sets out to do. The aim is to provide representatives of the WorldSkills Competition an integrated set of tools to create and maintain a customisable cyber security training site.



## MIXED REALITY MAINTENANCE SIMULATOR

By **Chua Yi Kai, Aloysius Tay Hui Ming, Tang Ensheng Onsho, Li Haoquan**

*Diploma in Information Technology*

Graduate of Deyi Secondary School, Christ Church Secondary School, Woodlands Ring Secondary School and Loyang View Secondary School, respectively

Using the programme tool, Unity Game Engine, these students developed an application that features a simulation game for their client, Defence Science and Technology Agency (DSTA). The application runs on the Microsoft HoloLens, a "mixed reality" headset that projects 3D holograms onto lenses. This will be used by the Republic of Singapore Air Force (RSAF) to train aeroplane maintenance crew in doing environment and equipment checks before pre-flight, launch or panicky situations.



## VALIT - A BLOCKCHAIN TICKETING APPLICATION

By **Jeremy Chan Tse Ee, Ang Jing Liang, Javier Lian Dehan, Lin Wei Qing, Kenneth Ng Yin Xuan**

*Diploma in Information Technology*

Graduate of Chua Chu Kang Secondary School, Westwood Secondary School, Unity Secondary School and Woodlands Ring Secondary School, respectively

Fake concert tickets? Not with Valit! The application uses blockchain to track the authenticity and ownership of event tickets - from concerts to musicals to seminars and many more. Valit allows event organisers to manage and upload tickets, and customers to scan their tickets to check its validity.



# SEE YOU AT

#SPOH20  
9 to 11 January 2020, 10am to 6pm

It's open house season! Gather your friends and head on down to SP for three days of fun! Utilise this handy guide and maximise your time here!

## EDUCATION & CAREER GUIDANCE

Not sure which is the course for you? Drop by our Education & Career Guidance (ECG) Booth at the Singapore Polytechnic Convention Centre (SPCC) and learn about SP's courses! Our friendly lecturers will be most glad to answer your queries.

If you're still unsure, you can also take a simple online quiz at the ECG booth and find out the most suitable diploma and career path for you!



## CAMPUS TOURS

Hop onto our tour buses and let our chirpy student ambassadors take you to the academic school of your choice!

During these tours, you will get to visit some of our very SPecial facilities such as the Aerohub, Perfumery and Cosmetic Centre, Cyber Wargame Centre and the Advanced Engine Room Simulator. Trust us, you wouldn't want to miss them!



## LIFE@SP AT OPEN PLAZA

SP has a wide array of CCAs that can help you master anything from make-up artistry to martial arts and even sign language! Explore our CCA booths at the Open Plaza and enjoy performances by our student clubs from Strictly Dance Zone, Taekwondo and more!

## GOODIE BAG

You wouldn't want to miss out on the trendy goodie bags! Show your student pass and you'll get to redeem it at T11 and T12.

## SOCIAL MEDIA GIVEAWAY

Can you really say you've been to SP Open House 2020 without uploading some photos on your gram?

Simply upload a photo on Instagram, tag us at @singaporepoly and hashtag #SPOH20, #singaporepoly and #speye, and stand a chance to win attractive prizes at our social media booth!

 @singaporepoly  
#SPOH20  
#singaporepoly  
#speye

 /singaporepolytechnic

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# If you're a student @ SP

You will have the opportunity to work with students from various disciplines to tackle problem statements, and also learn about the concept of a business model canvas, the importance of financial management and more.

Fret not, even if you're not a business student, you will be able to take Entrepreneurship as an elective module.

If you're an SP Diploma in Business Administration or Common Business Programme student, you will have the option of choosing entrepreneurship as your specialisation module during your second-year.

You will learn about business innovation & process, business opportunity, start-up finance and more.

You will also get to set up your own company! This will be part of your final-year project, and you'll be required to register your business with the Accounting and Corporate Regulatory Authority (ACRA).

Our devoted lecturers will be on site to guide and mentor you along the way. And you'll even get to continue your business upon graduation!

You are not required to register your business but you'll get to trial-run it for a period of one week to one month.

## Why? Entrepreneurship

If you are interested in running your own empire one day, it's vital to have an entrepreneurial mindset. This will help improve various skills such as resilience, enthusiasm and confidence.

Incorporating these attitudes in your everyday life will also encourage you to innovate creative solutions to your problems, take risks and plan ahead.

So, get an early head start and cultivate your entrepreneurial mindset.

## Entrepreneurship for Adult Learners

It's not too late to learn something new! Adult learners who are keen to pick up entrepreneurship skills can register for the course at SP's Professional & Adult Continuing Education Academy (PACE) as well.

You will be introduced to entrepreneurship from a socio-economic perspective, and learn a myriad of topics such as design thinking for business, the legal aspects of starting a business and various exit strategies.

# All you need to know about Entrepreneurship at SP

Always had a passion for Entrepreneurship but not sure where to start? Here's how you can embark on this meaningful journey.

## Special Admission Programme

SP students who display a strong entrepreneurial inclination will be nominated for the special admission programme to NUS.

Drop by SPOH20 to find out more!

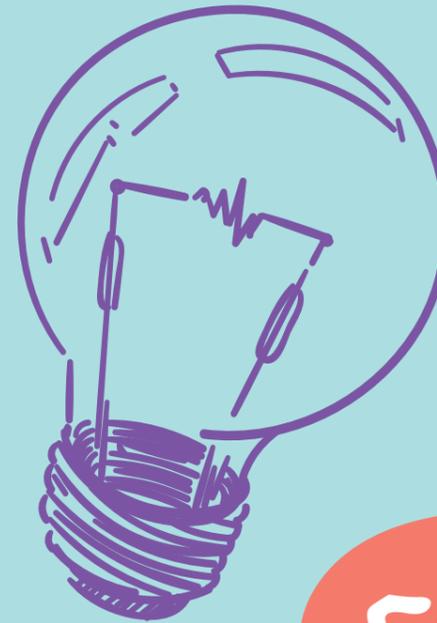
If you're interested, keep a lookout on SP's website and be sure to register for the competition next year.

SP lecturers and trainers also conducted workshops to provide these students with the relevant skills and knowledge for the preliminary competition.

This year, we extended the competition to secondary school students as well, and they were enrolled in the Rookie Category.

## Events @ SP

The Rocket Pitch Festival is an annual pitch competition where students with entrepreneurial aspirations can have their business or idea validated.



# And this is how it all started

Go back to read more about SP's entrepreneurship project!

*Now that you know more about the entrepreneurship programme at SP, here are some examples of our successful alumni who have made it big!*

Source: The Straits Times, Singapore Press Holdings



## WHAT A KEEO

**By Aung Shin Khant, Pua Seng Oon and James Ng; Graduates of Geylang Methodist Secondary School, Fuhua Secondary School and ITE College West, and Bendemeer Secondary School, respectively. SP Diploma in Business Administration, Class of 2019**

How many teenagers can say they have set up a physical store overseas and earned a five-figure sum in just two weeks?

These three SP's Diploma in Business Administration alumni – Aung Shin Khant, Pua Seng Oon and James Ng – can. The idea was first birthed from their entrepreneurship module, where they had to start a company that would help address various needs and problems.

After conducting a market research, and understanding the rising affluence of Korean stars and dramas, the team, called KEEO, realised the demand for Korean

skincare products in Myanmar. But there was a perpetual challenge that obstructed the Myanmar citizens from buying these products as applying for visa was extremely difficult due to strict travel restrictions.

Sensing an entrepreneurial opportunity, the team worked on being the bridge of solution to the needs of people in Myanmar. They reached out to various suppliers, such as Innisfree; which is targeted at young adults and teenagers, Medicube; which specialises in acne treatment, Pyunkang Yul; a traditional Korean medicinal skincare range and Laneige; which is popular among the middle-aged group, and brought in these products to the neighbouring country.

The trio also set up a 500 sq ft store – which is located in a hotspot area that is frequented by locals – and have hired staffers such as a manager, salesman and accountant to manage the store. They, too, split the workload amongst themselves – while they were still SP students – with each supervising different areas of the business, namely financial planning and scheduling, operations and marketing strategies.

And their efforts paid off. Just a week after its official opening, KEEO saw sales of more than \$20,000. The launch also saw many guests such as Myanmar ministers, media and influencers, proving that their entrepreneurship idea is widely celebrated.

Today, KEEO is working to secure distributor rights for the various brands, and plans to continue expanding the business further. It has also made history by being the first SP entrepreneurship group to conceive an overseas business.



## MUNCH-ING YOU FEED

**By Loh Fuxing; Graduate of Kuo Chuan Presbyterian Secondary School, SP Diploma in Information Technology, Class of 2015**

We are sure many will agree with us that it's a hassle to decide what and where to eat. This is where Munch, a food discovery app and website, comes in.

Munch is the brainchild of SP alumni Loh Fuxing and co-founder Earnest Lim after they found trawling through food listicles and apps in search of good food yielding mixed results. With Munch, they aim to make the process of food discovery easier.

What sets Munch apart from other food discovery apps is how it utilises Artificial Intelligence (AI) to personalise each user's food discovery experience.

Simply put, the app gets smarter the more you use it, and it will be able to recommend food and restaurants that you like. Imagine a curated list of food and restaurants, like Spotify's 'Discover Weekly'.

The data is fully automated in the visual feed without requiring the user to lift a finger to key in anything.

Another feature of the app is 'EatBetween', and what makes it so cool is that it allows you to input multiple locations so that you and your friends can find the most convenient place to eat. So goodbye to hours of discussions in chat groups with friends fretting over what and where to eat!

The app is available for download on IOS and Android devices.



## FROM WASTE TO AWARD-WINNING SOAP

**By Karine Lua, Daphnn Tan, Aaron Ong, Sieng Chun Hon; Graduates of CHIJ St Theresa's Convent, Unity Secondary School, Mayflower Secondary School, and Geylang Methodist School (Secondary) and ITE College Central, respectively. SP Diploma in Business Administration, Class of 2019**

The villagers in Cu Chi Village in Ho Chi Minh City (HCMC), Vietnam used to throw away the excess milk produced in their farms.

That changed when students from SP's School of Chemical & Life Sciences and the University of Economics, HCMC teamed up under SP's Learning Express (LeX) programme to create an all-natural soap using the excess milk.

LeX programme brings SP students and overseas students together to create innovative solutions for issues in developing countries.

Subsequently, four Diploma in Business Administration (DBA) students took over to commercialise the soap. They worked with the local university students to refine the soap, gearing it towards the artisanal route.

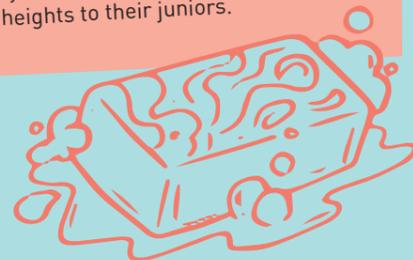
Not only does this reduce milk wastage, but it also created a new business and generated income for the farmers to better their livelihoods.

The team then worked on branding campaigns to market the soap – now called Bare Essentials – to various brands and clients.

Their dedication paid off. Bare Essentials received overwhelming response during its launch at the School of Business (SB) carnival and Artbox. It also won the Youth Entrepreneurship Symposium 2018 – an annual youth-run entrepreneurship symposium for youths aged between 17 and 25.

The soap was even used as door gifts at Mapletree's new property launch in HCMC, with Senior Minister Teo Chee Hean as the Guest-of-Honour.

The team has graduated in May this year, and has passed on the baton of pushing Bare Essentials to greater heights to their juniors.



# Our Scholars, Our Pride

Scholarships are not easy to come by but these SP alumni are living proof that it is possible with hard work, dedication and passion.

## FEATURES



**Wong Guan Min**

**Diploma in Media & Communication, Class of 2019**  
Public Service Commission (PSC) Scholarship Alumna of Chung Cheng High School (Main)

### One of the best decisions she ever made

A Polytechnic education was never an option Guan Min considered during her secondary school days.

When the O-level results were released, Guan Min did well enough to get into a JC, but not into the JC of her choice.

Despondent but not defeated, this plucky teenager decided to attend SP's Open House instead. There, she consulted the lecturers and spoke with current students before concluding that SP's Diploma in Media & Communication (DMC) was the right one.

This soon became one of the best decisions she made in life – she found her true passion in communications work such as advertising, public relations, and writing. Besides being blessed with the opportunity to hone her craft, she was also exposed to the joy of community service.

The experience she had in SP eventually led to her aspirations of building a career that will allow her to be creative and engage with individuals at the same time.

Guan Min recently graduated and was offered the coveted and prestigious Public Service Commission of Singapore (PSC) Scholarship. She will be reading Business with a Minor in Strategic Communication at the Nanyang Technological University (NTU).

So if you are unsure about which pathway to take, Guan Min's advice is to "do your research, keep your options open and speak with poly students and lecturers to find out more about polytechnic education.

"This is the best platform for you to try out the different areas you are curious about," she adds.

## Julian Kang

### He continued chasing his dreams

Growing up, Julian Kang has always dreamt of being a scientist.

By the time he was 14 years old, he had already developed a huge interest in nuclear fusion and was amazed by how it could be utilised to create clean energy.

Inspired by the wonders of engineering, the curious young man explored further and was introduced to a one-day programme at SP's Engineering Academy when he was in Secondary Three.

Exposed to the life of a polytechnic student where students worked on project work, the programme left a deep impression, prompting Julian to apply to SP's Diploma in Electrical & Electronic Engineering (DEEE) via the Direct Polytechnic Admission.

During his time in SP, Julian was given the opportunity to hone various skills such as mechanical engineering and entrepreneurship, outside of his field. These skill sets led him to co-found MakerFoundryLLP, a start-up that has sold numerous units of his team's invention, the SPEEduino microcontroller board, for SP's engineering pedagogy.

Julian also shone academically as a student and was awarded the SP Engineering scholarship, and the prestigious DSO scholarship.

Shortly after his graduation this year, Julian received the Public Service Commission (PSC) Scholarship (Engineering), where he will eventually be able to make a difference in the engineering and technology sectors in the Public Service.

Julian plans to embark on his university education in the United States of America – reading computer engineering – after completing his National Service. Continue to do us proud, Julian!



**Diploma in Electrical & Electronic Engineering, Class of 2019**  
Public Service Commission (PSC) Scholarship (Engineering) Alumnus of Bukit View Secondary School

## FEATURES

## Foo Yan Ling

### A new found purpose to research on cancer

Yan Ling hopes to one day create a treatment for cancer that would benefit the society.

This aspiration is a result of her journey with her grandpa who was diagnosed with prostate cancer when she was in the final year of poly education.

Favouring a more hands-on learning approach, Yan Ling always knew a polytechnic education would suit her better compared to going to a junior college. Hence, she applied to SP's Diploma in Biomedical Science (DBS) after attending SP's Open House and speaking with the lecturers.

In SP, Yan Ling was exposed to a myriad of subjects such as forensic biology and microbiology, which heightened her interest in this field even more.

"Things like streaking bacteria on agar plates and observing them under the microscope, and practising phlebotomy (drawing of blood) are so fascinating! You'll never get to experience that in secondary school or in a Junior College setting," she quips.

The culmination of her 2.5 years in SP also prepared Yan Ling well for her internship at p53 Lab – a biomedical sciences lab under the Agency for Science, Technology and Research (A\*STAR) – where she helped to engineer an antibody that targets a cancer receptor.

Yan Ling's sterling results in SP secured her an A\*Star Undergraduate Scholarship which presented her with the opportunity to pursue a degree in life sciences at the National University of Singapore.

We are behind you all the way, Yan Ling!



**Diploma in Biomedical Science, Class of 2019**  
A\*Star Undergraduate Scholarship Alumna of Gan Eng Seng School

## Tan Yew Lee

### Never stop exploring

"I was a very lost child, I didn't know what I wanted to do," shares Yew Lee.

But these uncertainties did not stop him from exploring options and opportunities presented to him. Today, Yew Lee is pursuing a PhD in computing and information science disciplines under the A\*Star Computer and Information Science Scholarship.

Yew Lee graduated from SP in 2011 with a Diploma in Banking & Financial Services (DBF) (now known as the Diploma in Banking & Finance). It was not exactly his course of choice, but the cut-off point was aligned with his O-levels score.

But Yew Lee is quick to qualify that. "That's not to say I made the wrong choice. SP is a very significant portion of my life and it has taught me many skills," he adds.

The skills Yew Lee is referring to are the ones he picked up from one of his modules, called the Forex trading, where he learned to be assertive and to speak clearly and concisely. His three years in SP also laid the foundation and provided him an early perspective of how university life would be like.

Even though Yew Lee did not have an interest for the degree he pursued at the Nanyang Technological University (NTU), his experience at SP pushed him to work even harder – which eventually opened many doors of opportunities.

For one, he was able to explore various programmes that were not tied to his major. And that was when he came across computer science and found his passion in it. Despite his busy schedule, Yew Lee worked with professors and took up extra projects on computer science.

"It's okay if you don't know what you want to do now. Keep exploring and you will eventually find something you like," he advises.



**Diploma in Banking & Financial Services (now known as the Diploma in Banking & Finance), Class of 2011**  
A\*Star Computer and Information Science Scholarship Alumnus of Peirce Secondary School

**Protecting the nation against cyber attacks**

Chuan Kai's journey to being awarded the highly coveted Public Service Commission (PSC) scholarship did not come easy. Even though he scored an impressive five point for his O-levels, he had no background in Information Technology (IT), and the transition from secondary school to SP was a struggle.

However, his determination spurred him to read more and he even taught himself important IT concepts. He often consulted his lecturers and exchanged ideas with his classmates as well. Over time, his grades started to pick up and he was awarded the Director's Honour Roll!

Chuan Kai's affinity with SP's Diploma in Infocomm Security Management (DISM) started way before he even took his O-Levels. He attended a five-day Advanced Elective Module on Cyber Security in SP and was fascinated by the relevance of infocomm security in everyday life.

"The modules offered in SP, such as cryptography, were very interesting," he shares. On top of that, he saw how infocomm security could help the community and wanted to contribute to Singapore's Smart Nation vision.

For his Final Year Project (FYP), Chuan Kai and his team worked on a cloud platform that helped companies identify potential online vulnerabilities. He also completed a 17-week-long internship stint at GovTech where he helped to automate software security solutions for developers. Having seen the challenges faced by the community and industry for himself, this further deepened his passion for infocomm security.

Now armed with a Public Service Commission (PSC) Scholarship (Engineering), Chuan Kai hopes to utilise the knowledge he picked up at DISM to benefit the community one day.



**Teo Chuan Kai**

**Diploma in Infocomm Security Management, Class of 2019**  
 Alumnus of Fuhua Secondary School  
 Public Service Commission (PSC) Scholarship (Engineering)

Source: The Straits Times, Singapore Press Holdings



**Fion Lim**

**Not your everyday girl**

Although Fion's childhood dream was to have a career at sea, it did not occur to her that she could one day be the recipient of a scholarship, let alone a significant one from the Singapore Armed Forces (SAF).

Unlike most girls, Fion was highly interested in the Engineering discipline. She was always curious about the mechanism behind every machine and system. She also held a strong inclination for National Security and considered serving in the Republic of Singapore Navy. As such, SP's Diploma in Marine Engineering (DMR) was an obvious choice for her.

Over the course of three years, Fion received different experiences and learnt more than she expected. "From gas and arc-welding to learning about overhaul and machinery parts, DMR was a very well-rounded course for me, Fion shares. "The most valuable takeaway were the industry-relevant skills that textbooks could not have provided."

DMR also allowed Fion to explore opportunities that were out of Singapore. She travelled to Dalian, China, for a six-week overseas attachment programme and sailed for two weeks with a crew. It gave her a taste of life at sea and further strengthened her desire to pursue a career in the Marine industry. "There was no internet on board and this encouraged more face-to-face interactions," Fion recalls. "To me, that was also a learning opportunity as seniors shared their experiences and gave advice."

The road ahead might be long, but Fion already has a vision for her future. Under the SAF Engineering Scholarship, she is currently training to become a Naval Warfare Systems Engineer in the Republic of Singapore Navy - one step closer to achieving her childhood ambition!

**Diploma in Marine Engineering, Class of 2017**  
 Alumna of Ngee Ann Secondary School  
 SAF Engineering Scholarship

**Get an early start at SP!**

Our Poly Foundation Programme (PFP) students share their first-year experience, which is also known as Year 0.

**Kimberly Suriya**

**Common Engineering Programme**  
 Alumna of Kranji Secondary School

**Why did you decide to join SP's PFP in Secondary School?**

I found my passion for Engineering when I participated in SP's Electrical & Electronic Engineering Advanced Elective Module (AEM). I love so many things about SP - its huge campus convenient location the wide variety of food and beverages, and dedicated teachers! SP has always been my dream school and this was my motivation to do well for my N-Levels.

**What was your most memorable moment in your PFP year?**

It has got to be LEAP camp, where all PFP students will go on a 4D3N camp at Kota Tinggi Rainforest Resort. That allowed me to bond with my fellow PFP mates and as a result, it was easier to communicate with each other.

**What is one advice you would give to others who aspire to enter SP via PFP?**

Pay attention to subjects like English and Mathematics, as they are crucial for your EMB3. Remember that consistent practice is important. Do not be complacent, work hard and work smart!

**Isaac Foo**

**Diploma in Nutrition, Health and Wellness (DNHW) - now merged with the Diploma in Food Science & Technology (DFST)**  
 Alumnus of Xinmin Secondary School

**Why did you choose SP's PFP?**

I always had an interest in nutrition and biology since secondary school. So, when I discovered that SP offered the Diploma in Nutrition, Health and Wellness (DNHW), I knew it was the course for me. I also heard a lot about the SP Symphonic Band and I wanted to join a CCA that will allow me to perform with individuals of the same interests.

**How did SP's PFP help you prepare for the upcoming 3 years?**

Even though I enrolled in a Science course, PFP exposed me to other subjects such as Maths and IT as well. This widened my perspective and strengthened my foundation. The various group projects also helped me develop time management and conflict management skills which will prepare me for the working world.

**Were you very active in your CCA during PFP year?**

Yes! Besides the SP Symphonic Band, I was also part of the Community Service and Culture Club. These CCAs helped me take my mind off academics when assignments became too overwhelming. I've made lots of friends and good memories, and this allowed me to get the most out of my polytechnic experience.

**Jordan Koh**

**Diploma in Architecture**  
 Alumnus of Kent Ridge Secondary School

**Tell us more about your journey before joining SP's PFP.**

Due to my poor performance, I dropped from the Express to the Normal Academic (NA) stream in secondary school. Even though my parents never once expressed their disappointment, I felt disappointed for letting them down. This served as a wakeup call and with the support from my teachers who believed in me, I made it to SP's PFP.

**Why did you decide to join SP's Diploma in Architecture?**

I visited SP's Open House and stumbled upon the Architecture course. I started reading up about it and became more attracted to its principles and the thoughtfulness of architecture. Furthermore, SP is reputed as a well-established institution and this affirmed my decision.

**How would you describe your PFP year?**

My PFP year was very fun and enlightening. I met classmates, who have now become my closest friends, and lecturers who are patient and knowledgeable. PFP also provided me with opportunities to improve myself as an individual in areas such as character development.



For more information about the PFP, visit [www.sp.edu.sg](http://www.sp.edu.sg)

### WHO ARE THEY?

ACERs is a student body group in SP who play a role in promoting the SP brand and image.



### WHAT DO THEY DO?

Commonly seen at SP outreach events such as Open House, secondary school roadshows and Applied Studies Experience (ASE), their main role is to help prospective students understand more about our courses. In fact, you might already have spoken to some when they visited your school!

## SP ACERs

Ever wondered who are the friendly people you often see at SP's events and secondary school roadshows? You know, those dressed in yellow and with never-ending stories to share? Well, we can only say they are a very special bunch of people. Find out more below!

### HOW CAN I BECOME AN ACER?

Other than helping out for SP's outreach events, being an ACER also comes with a lot of benefits! You will get to meet fellow school mates from other academic schools and even out of SP. Through events and activities, you will also get to develop leadership and public speaking skills.



If you would like to catch them in action, find out more about the SP or the ACERs' experience, do join us at **SP Open House 2020** from 9 to 11 January!

# U+SP OPEN HOUSE

9-11 JAN 2020

**MEANINGFUL OVERSEAS EXPERIENCES**  
Trips to countries like Japan, China, France and the USA to enrich your learning experience.

**UNIVERSITY OR CAREER AFTER SP**  
If the seniors can do it, you can too.

**PURSUE MY PASSION IN MUSIC, ARTS AND SPORTS**  
Why not? There are more than 100 CCA clubs!

**INTERNSHIPS**  
Yes! At big brand companies or even world class universities like Harvard, MIT and Yale.

**SCHOLARSHIPS**  
Of course! And SP scholars are groomed under a special SP Outstanding Talent programme.

**DESIGN THINKING**  
You'll enjoy it. You'll be taught how to think like a designer.

**MRT TO SP**  
With Dover MRT at SP's doorstep, getting to school has never been easier!

**FOOD AT SP**  
Six foodcourts, KFC, McDonald's, Starbucks, Subway... Burp!!

**FUN AT SP**  
Pool, gym, jamming rooms, dance studio, rock climbing wall, even a bowling alley.

**GREEN CAMPUS**  
Exciting learning spaces like the AeroHub and SP Business School in a vibrant and eco-friendly environment.

## THINK BIGGER WITH SP

### FOLLOW SP ON SOCIAL MEDIA

- @singaporepoly
- @singaporepoly
- facebook.com/singaporepolytechnic
- youtube.com/singaporepolytechnic

#SPOH20 #speye #singaporepoly

Learn more at [www.sp.edu.sg](http://www.sp.edu.sg)

# ARE YOU GAME FOR A SUCCESSFUL FUTURE?

PLAY THIS SIMPLE GAME, EXPLORE YOUR INTERESTS AND DISCOVER THE ENDLESS OPPORTUNITIES AT SP!

Don't forget to visit us at SPOH20!

END

55



41

If you're unsure where your interest lies, approach your school's ECG counsellor\*\*

29

Great! You must then have a strong interest in engineering, architecture and design. Take the compass up to find out more about the various opportunities.

28

27 Do you have an interest in activities like drama, music and creative writing?  
If yes, dance your way to box 46.  
If not, take a stroll to box 41.

15

Are gadgets and machines your toys of choice?  
If yes, follow the cable.  
If not, take a stroll to box 41.

14

13 SP's School of Chemical & Life Sciences offers many courses that will intrigue you! Follow the scent to find out more.

1

START

Read boxes 2 to 7, and see which applies to you the most!

2

Are you practical, systematic and like fixing things?  
If yes, follow the screwdriver.  
If no, continue on.

54

Not sure which field of business is for you? Consider SP's Common Business Programme, which will allow you to try out the various disciplines before you dive into a specialisation. Learn more about it at <https://www.sp.edu.sg/sb>

45

The SUTD-SP programme could just be for you! Under this arrangement, students can gain conditional admission to SUTD while studying at SP. Find out more at <https://sutd.edu.sg/psa>

40

31 Don't let your enterprise skills go to waste! Check out the myriad of opportunities available at SP on page 8 of this magazine.

31

26

53

We are proud to count Shigga Shay and Charmian Tan amongst our alumni. Keen to follow their footsteps? Follow the footprints!

46

39

32

25

SP offers the only perfumery & cosmetic science course in Southeast Asia. Who "nose", this might be your dream course! Check out <https://www.sp.edu.sg/cls> for more information.

18

11

Is Chemistry one of your favourite subjects?  
If yes, take 2 steps forward.  
If not, take a stroll to box 41.

4

If being expressive and innovative speaks to you, follow the microphone.  
If not, continue on.

52

SP is the only poly in Singapore that offers the Diploma in Applied Drama & Psychology course. Learn how you can use stories to influence the communities. Come to SPOH20 to find out more!

47

38

33

24

Do you know you can use drama as a tool to help others?  
Interested? Follow the clapperboard.  
If not, take a stroll to box 41.

19

10

Are you a sociable person who enjoys helping the community?  
If yes, follow the hand.  
If no, continue on.

5

51

SP's Media, Arts & Design School has courses that cover a wide range of interests from media to creative writing. Find out more at <https://www.sp.edu.sg/mad>

48

37

Are you keen on furthering your education at NUS after SP? Follow the arrow and find out more.  
If not, go back 6 steps.

34

23

20

Do you dream of being an entrepreneur one day?  
If yes, climb up the ladder.  
If no, go to box 54.

9

6

Do you see yourself as ambitious and enjoy a little competition?  
If yes, follow the pen.  
If no, continue on.

50

Students who display a strong entrepreneurial inclination will be nominated under the special admission programme to NUS. Speak with our lecturers during the SPOH20 to learn more.

49

From Accountancy to Banking & Finance courses, SP's School of Business will arm you with the know-hows to realise your aspirations. If this appeals to you, go to box 54.

36

35

22

Do you like working with numbers?  
If yes, follow the arrow.  
If not, take a stroll to box 41.

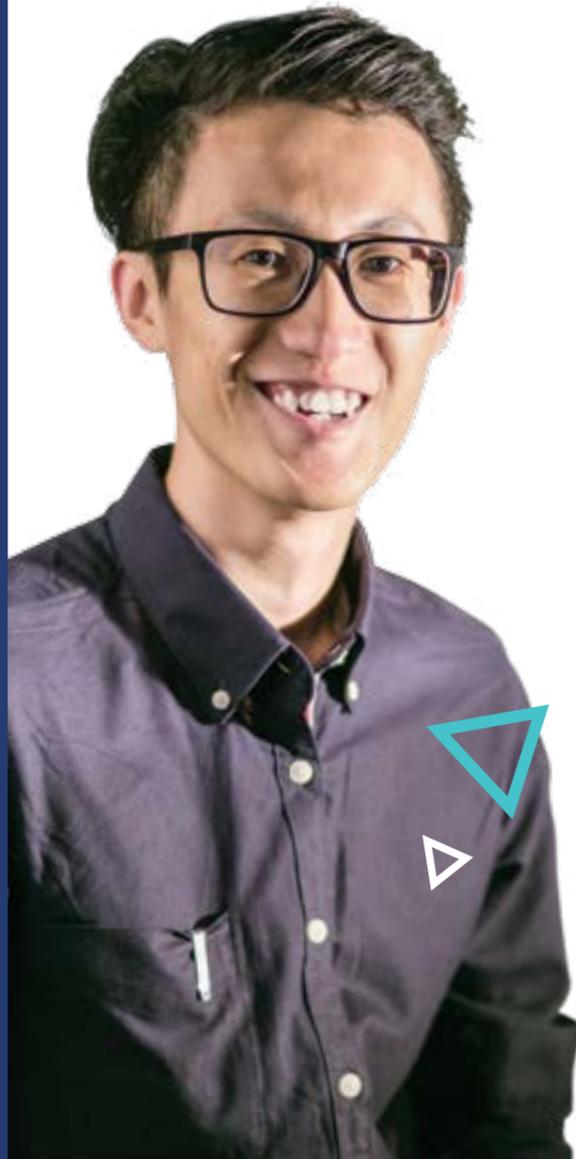
21

8

If you are organised and love formulas, climb the ladder.  
If not, go straight to box 41.

# UNI, HERE I COME!

Looking to continue your education after SP? These alumni have done that, and all thanks to the good foundation skills they have picked up here.



## Studying was not his thing when he was younger

With no interest in studying, Eric fell into the bottom rung of the academic ladder during his younger days. He was placed into the EM3 track in Primary school and graduated with a Primary School Leaving Examination (PSLE) score of 94. His parents were disappointed and he did not have any high hopes.

## Never-say-die attitude brought him to where he is today

Determined to become someone his parents would be proud of, Eric started to work harder in secondary school. He graduated and eventually enrolled in the Institute of Technical Education (ITE) to study NITEC in Building Drafting (Architectural). He has always been interested in design-related courses and decided to take on a similar course, the Diploma in Architecture (DARCH) at Singapore Polytechnic (SP).

To Eric, DARCH was an eye-opener, where he learned industry-related architectural skills and knowledge. With a background in building drafting from his ITE education, Eric was also able to learn faster than his peers. As a result, he performed exceedingly well and graduated with a near perfect GPA score of 3.92.

However, his application for his dream course in architecture did not come easy. He was rejected by two local universities and had to seek his internship supervisor's help to write a referral letter to the National University of Singapore (NUS). Fortunately, his efforts paid off and NUS gave him a conditional offer.

## Achieving his long-time dream

Now, having completed not just a Bachelors in Architecture but also a Masters in Architecture, Eric has finally achieved his dream of becoming an Architect.

"There have been many ups and downs in my academic journey, but I am glad to have overcome every obstacle to finally realise my dream," he shares.

He hopes that his personal experience will encourage those who are going through tough times to never give up and keep pushing on, just like he did.

## ERIC NG

### Diploma in Architecture, Class of 2013

Alumnus of Bishan Park Secondary School (Now Peirce Secondary School) and ITE College East

Architecture, National University of Singapore

## Books are her sanctuary

As a child, Theodora would often pester her parents to buy her books. She has always loved reading and was intrigued by how the plot of each story unfolds, and this eventually developed into an interest in writing. Thinking that a Junior College (JC) education would be most suitable for this pursuit, Theodora went ahead with this thought. However, she realised that she was not able to take on her favoured subject combinations due to her lacklustre O-Level results. Her passion was in the arts, but she had to forgo it to work on core subjects like Mathematics and Economics.

Theodora recalls: "I dreaded going to school as I could not study subjects I wanted and books served as a form of comfort."

## Writing is her passion

And that was how she found her calling in writing - through reading books. After a year in JC, Theodora's results still did not improve and she decided it was time to change her life.

"I felt like nothing was working out, and my grades were not picking up. I wasn't happy."

She then concluded that pursuing something she did not enjoy would not be beneficial in the long run. She started looking around for other options, and SP's Diploma in Creative Writing for TV & New Media (DTVM) stood out. After reading up on the course structure and consulting others, she decided that DTVM was for her.

## Polytechnic was a good foundation for her undergraduate studies

According to Theodora, enrolling in SP was the best decision. A polytechnic education not only gave her the freedom to pursue her passion but it also trained her to be independent. On top of her school assignments, she also ventured into personal projects like photography - which was another interest of hers.

With the support from her lecturers and like-minded peers, Theodora soared in SP. She was nominated as a scholar under the Singapore Polytechnic Outstanding Talent (SPOT) programme and participated in many activities that honed her leadership and personal skills.

"DTVM provided me with good foundational skills that are very useful to my undergraduate studies," she adds.

Theodora is currently reading Law at the Singapore Management University (SMU), and credits SP for preparing her well for it. One example would be the class presentations which trained her to be more outspoken and inquisitive in class. This is important, as part of her grade for Law school derives from class participation.

## Her life motto: To live life without any regrets

With four more years before she graduates from SMU, Theodora has nothing but one simple wish. She hopes to be excellent at whatever she does, whether in school or in life, and be able to look back without any regrets.

## THEODORA NG

### Diploma in Creative Writing for TV & New Media (DTVM), Class of 2017

Alumna of Tanjong Katong Girls' Secondary School

Law, Singapore Management University



## GLENDON THAIW

### Diploma in Aeronautical Engineering, Class of 2016

Alumnus of Outram Secondary School

*Engineering, Nanyang Technological University*

#### Curious about planes

Intrigued by aeroplanes since young, Glendon enjoyed Math and Science in secondary school as he sought the secrets of flight and aerodynamics.

After his O-Levels, Glendon enrolled in SP's Diploma in Aeronautical Engineering. Not knowing what to expect of polytechnic's hands-on style of learning, he had doubts if engineering was for him.

#### Overseas attachment sealed the deal

In Year 2, Glendon underwent a six-week industrial attachment in Beijing at the Aircraft Maintenance and Engineering Corporation, also known as AMECO.

The opportunity to put his knowledge to use on actual aircraft maintenance helped him realise how his work is crucial to a passenger's safety. The stint reaffirmed the importance of engineers in society for him and further fuelled his passion for engineering.

He continued to work hard during his time at SP, and eventually worked on a \$20,000 classified real-life project with ST Aerospace for his Final Year Project.

#### Decision to stay in Singapore opens up to a world of opportunities

After receiving his diploma, Glendon had plans to apply into the renowned Massachusetts Institute of Technology (MIT)'s engineering degree programme.

However, tragedy struck his family when his late father and then sole breadwinner was diagnosed with cancer and subsequently dementia. Glendon decided to stay close to his family to care for his father. He applied for various scholarships and was eventually offered a place in Nanyang Technological University (NTU)'s Renaissance Engineering Programme.

"In preparation for my university and scholarship applications, SP's Department of Student Services helped me immensely by sharing tips on how to make my application and interview stand out," Glendon shares.

The 4.5 year programme will see him graduate with a Bachelor of Engineering Science with a Master of Science in Technological Management.

In NTU, Glendon also completed a month-long summer exchange programme in Efrei Paris to study Web Development; before making his way to China to participate in the University of Science and Technology of China (USTC)'s annual Artificial Intelligence (AI) Camp, where he met world leaders from the AI industry.



## NURUL ATIKAH BINTE SAHWAN

### Diploma in Maritime Business, Class of 2017

Alumna of Unity Secondary School

*Maritime Business and Logistics, University of Plymouth (UK)*

#### A sea of possibilities

Atikah has been exposed to the maritime industry ever since she was a little girl - thanks to her father, who was once a sea captain.

With passion for the trade, she chose to enrol in SP's Diploma in Maritime Business, as she knew it will open doors to an array of career opportunities for her.

#### Ticket to fast-track degree programme

As a student of SP's Singapore Maritime Academy (SMA), Atikah was given the opportunity to experience to lessons outside of the classroom, where she got to witness major shipping lines operate in Singapore's port.

She also interned at Chevron USA Incorporated (Asia Pacific Branch), where she helped to manage shipping invoices, and assisted in the tracking of vessel movements.

With her diploma, Atikah was offered a scholarship and a place in the final-year of the University of Plymouth's Maritime Business and Logistics degree programme. Having module exceptions for the first two years of university meant that Atikah was able to get a head start on her career.

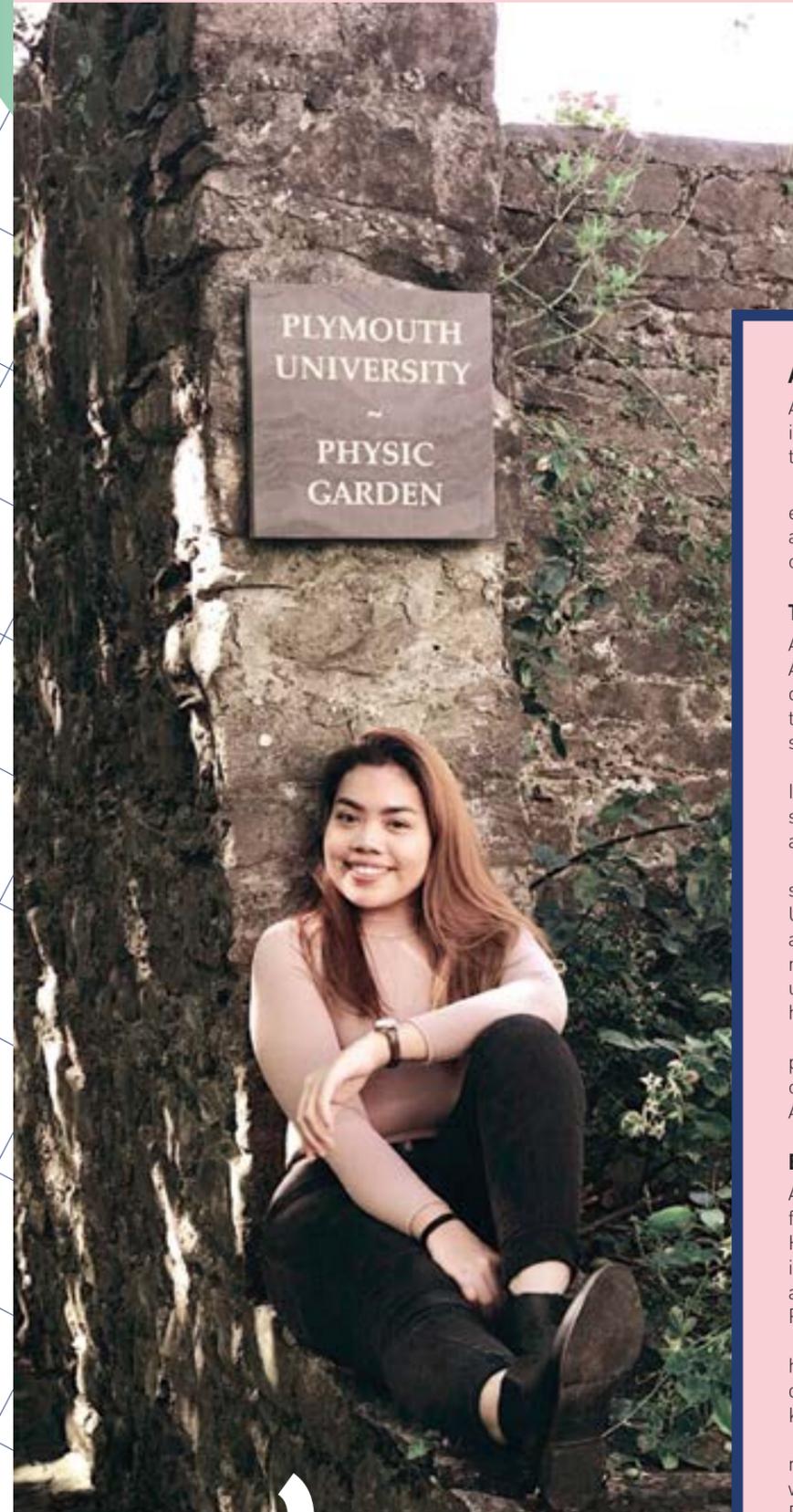
"Having a diploma from SP has indeed provided me with an edge, where I could complete my degree in just nine months!" Atikah shares.

#### Breaking out of her shell

As an introvert, it has always been hard for Atikah to mingle around with others. However, things changed during her time in SP when she started to participate in activities, and eventually became the Vice-President of SMA Club.

This new found confidence proved to serve her well when she had to make new friends during her university days in the United Kingdom (UK).

"I had to be independent in the UK - I did my own cooking and cleaning while studying. It wasn't easy at first, but definitely an experience. Being there, I also had a better understanding of others' cultures from different countries," she shares.



# Stay Connected to SP's hotspots!

Exploring a 38-hectare campus can be daunting and challenging. But don't worry, we got you covered from interesting facilities to cool hangouts.



## INNOMALL

Innomall is Singapore's first gallery of vending machines for retailers to test their products and concepts among the youth. You can find a range of products from snacks to IT products and cosmetics here. It is managed by students from the Entrepreneurship specialisation of the Diploma in Business Administration course. They help to conduct market research and analysis, and develop new marketing campaigns to reach out to youth.

## CYBER WARGAME CENTRE

At the Cyber Wargame Centre, students from the Diploma in Infocomm Security Management course can fight it out among themselves by launching cyber-attacks, setting up network defences and performing malware analysis. This gives students a creative environment to apply their knowledge to practice.



## THE WRITERS' ROOM

Have a writer's block! Slide down an indoor slope and immerse yourself in a space filled with fun decoys to get those creative juices flowing. The Writers' Room is an interactive space where students from the Diploma in Creative Writing for TV & New Media course can find inspiration and turn their imaginations into reality.



DOVER MRT

PLAZA

## SP AEROHUB

Looking for the ultimate Instagram spot? Look no further! The SP AeroHub is a hangar with four aircraft, flight simulators, laboratories, and an R&D centre. It serves as a training facility for students from the Diploma in Aeronautical Engineering (DARE) and the Diploma in Aerospace Electronics (DASE) courses.



## ELEVEN<sup>2</sup>

Located in the heart of SP, here's where you can catch some of the latest happenings around campus. Touted as THE events space, it is also where various activities such as CCA practices, performances, exhibitions and events take place. During the examination period, many students from the School of Chemical & Life Sciences can be found mugging here too.

## FULL-MISSION SHIP-HANDLING SIMULATOR

If you wish to experience how it would be like to command a ship, without going on-board an actual one, SP's Full-Mission Ship-Handling Simulator is the answer. The circular screen simulator is fully equipped with the latest navigational equipment and uses Computer Generated Image (CGI) system to create highly realistic environments. This helps to enhance Singapore Maritime Academy (SMA) students' ability to make decisions in different scenarios to ensure the safety of people and goods at sea.



## PERFUMERY AND COSMETIC SCIENCE CENTRE

The centre is a dedicated space for students in the Diploma in Perfumery and Cosmetic Science (DPCS) course to develop and formulate fragrances and personal care products in the chemical, cosmetics and toiletries industries. Who knows! You may be able to create your own scents at this really cool lab!

MULTI-STOREY CARPARK

AUDITORIUM

OLYMPIC-SIZED POOL

MULTI PURPOSE FIELD

BASKETBALL COURT

SPORTS ARENA

## SPORTS FACILITIES

What better way to bond with friends than through sports! It is one of the more popular recreational activities on campus and there is a wide range of facilities to support this pastime – an Olympic-sized pool, a seven-storey Sports Arena, a sports complex and gym, to name a few.

LIBRARY

Don't forget to keep a lookout for our resident squirrel, SPOOFY, as well! And if you happen to capture a shot/video of it, tag us on Instagram @Singaporepoly!

Can you spot our very own Heritage tree! The Brown Woolly Fig (*Ficus deupacea*) is believed to have been planted after our campus was built in 1981!

MOBERLY

SIT @ SP



## FORUM

The Forum is a new facility within the School of Architecture & the Built Environment. Designed as a multi-purpose auditorium, it is home to creative sessions, guest lectures and exhibitions to foster discussions among students and lecturers.

Visit SP Open House from 9 to 11 January 2020 to tour these facilities! More information can be found on [www.openhouse.sp.edu.sg](http://www.openhouse.sp.edu.sg)

# The world is your oyster

Embrace your passion and travel the world! Apart from studying on campus, SP also provides opportunities for students to expand their horizons beyond the school. You can immerse in programmes such as internships and service trips, where you get to learn from experts and sometimes, even contribute back to local communities!

## Ranald Teh

Diploma in Engineering with Business  
Alumnus of St. Gabriel's Secondary School and ITE College Central

I went for an exhilarating 22-week internship at Racing Electric Instruments (REI), in Taoyuan, Taiwan. The company specialises in making customised electromechanical components for the aeronautical industry.

What made the experience memorable was that I wasn't alone! I made friends with 3 other students from Diploma in Aerospace Electronics and Diploma in Energy Systems & Management.



My Taiwan travel buddies! Mohamad Haris, Ashley Spykerman and Angus Pook :)

### Aspiring engineers at work

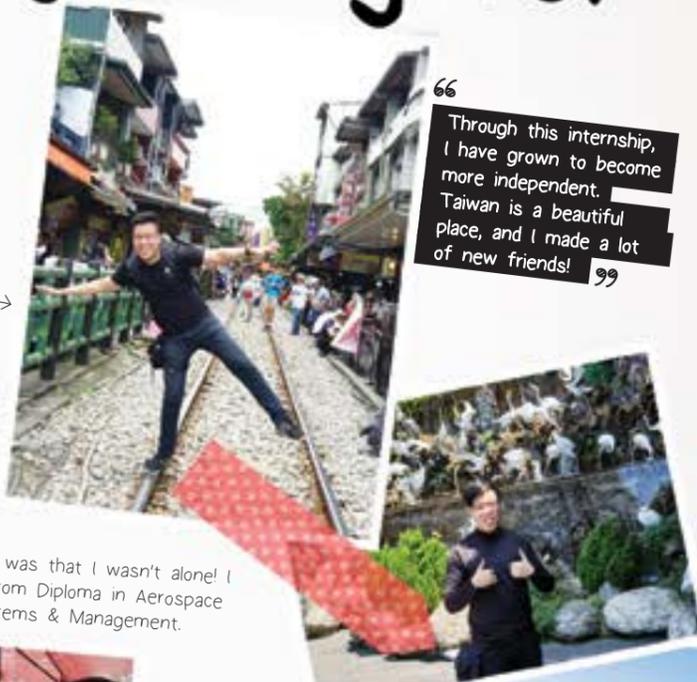
At REI, we were posted to three different departments: 1) Research & Development (R&D), 2) Production and 3) Quality Assurance (QA). We worked from 8am to 5pm!

At the R&D department, we designed customised electromechanical components for the clients. We then created the products in the Production Department. We did taping, filing, wire stripping, and more! Finally in QA, we measured the products to ensure they are in the correct dimensions!



Each of us were given our own one-bedroom apartment. Most of the time, we met up in one of our rooms to discuss about our projects or simply watch movies together!

“Through this internship, I have grown to become more independent. Taiwan is a beautiful place, and I made a lot of new friends!”



### Travel time!

We explored Taiwan on the weekends and our off-days. We went to Taipei, Shifen, Jioufen, Xiamending and many more!

## Murniati Sari Dewi Ayu Cempaka Binte Roslan

Diploma in Applied Chemistry  
Edgefield Secondary School

I did my Overseas Internship Attachment (OIA) in Gold Coast, Australia for 6 weeks, at Griffith University, under the School of Pharmacy and Pharmacology!

Travelling to Australia was exciting yet nerve-wracking for me as it was my first time flying on a plane! Thankfully, I wasn't alone! I had coursemates with me, though we did not know each other personally before the trip.

Me & my new best friend



“Working at Griffith University exposed me to the world of Pharmacology even more. It was also nice to experience a different way of living in Australia. My favourite part of the trip was definitely the performances by the beach at night!”

Can't imagine the trip without them! Yeo Hao Tiak, Luke Chia & Hany



### Ready, Set, Research!

We started work at the university on weekdays at 9am. It is quite a laid back environment compared to Singapore! The days were shorter too as it was the winter season - it was dark by the time it was 5pm! Pity we did not experience any snow!

Hany and I worked on a project to find the best method to detect two antibiotics, dicloxacillin and flucloxacillin. We even had the chance to use the Ultra Performance Liquid Chromatography (UPLC) - a faster and more sensitive machine to detect compounds. We did a thorough research on antibiotics, and based on what we found, we set up appropriate parameters for the UPLC!



We had the sea view!

We stayed at an apartment, where I shared my room with Hany. Our accommodation is located in Surfers Paradise, one of the tourist hot spots and we were so near the beach!



To save money, we bought groceries from the nearby supermarket to cook at the apartment on most days.

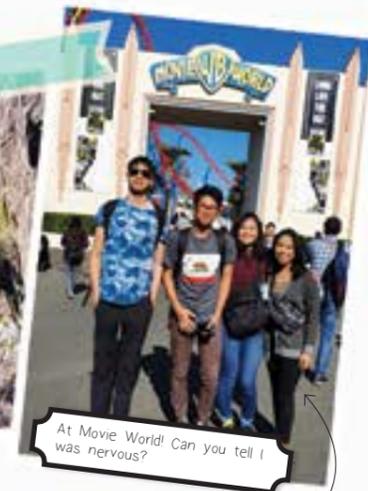
Occasionally, we'd give ourselves a treat and grab our favourite fish & chips, and meat-free hotdogs!



We made it to the top!

### Travelling 'down under'!

We explored Gold Coast on the weekends - took walks down the beach, and visited outlet malls! We even went on a hike at Springbrook National Park!



At Movie World! Can you tell I was nervous?

We also went to Movie World, which is known for its roller coasters. I managed to conquer my fear of roller coasters thanks to my friends who persuaded me! In fact, I went on almost all of the rides!

G'day, mate!

My 5 months in Taiwan!

The Batam Experience



66 This trip is the highlight of my internship! Not only did I get to experience hands-on work on the equipment and engines, I also learnt about the local culture through the people I met there. 99

At PT. ASL Shipyard with my Singapore Maritime Academy (SMA) mates!



All aboard!

Our first stop was to visit the shipyard to learn more about the various ships, such as the Bourbon Liberty 200, 300, Bourbon Explorer 500 and Bourbon Evolution 800 series vessels. We also learnt about the equipment and engines commonly found onboard!



We ate lots of delicious Indonesian-styled cuisine from ayam penyet to satay and soto ayam noodles!



We explored Batam and found so many snacks we just had to buy!



I shared a bunk bed on-board with my course mate, Danish, and I beat him to sleep on the top bunk!

Shuqri Bin Mohamed Shahid

Diploma in Marine Engineering  
Alumnus of North Vista Secondary School

I interned at Bourbon Offshore, a company that operates a fleet of vessels internationally, and this means I had the opportunity to visit shipyards overseas! One of the company's shipyards was in Batam, Indonesia, and I was there for over two days.

Sawadeeka



Li Min, MEI, Sean, Jun Kiat, Frederick

Leong Yann Tabitha

Diploma in Business Administration  
Alumnus of Tanjong Katong Girls' School

For my Temasek Foundation Exchange (TFI-SCALE) cum Overseas Action and Leadership Project (OSIP), my team and I were tasked to help improve the livelihood of workers from a village's chilli paste enterprise in Bangkok, Thailand.

Prior to the trip, we had to attend a Design Thinking training workshop that further prepared us for our trip.

Meet my Thai buddy, Praew!



Upon arrival in Bangkok, we travelled to Chitralada Technology College (CDTC) where we were introduced to our Thai buddies!



Isn't this beautiful?

Welcome to Chai Nat, the village where we spent two nights in!



This is P'Lek, the youngest housewife of the group at 27 years old

We spoke to the housewives to better understand the challenges and problems faced by the enterprise.



We had the opportunity to experience the chilli paste making process. The ladies taught us two ways to make the paste: by the mortar and pestle (traditional method) or the machine (modern method).

The Japan Experience!



the team and I!

Jamie Leong Kar Mun

Diploma in Digital Animation  
Alumna of Unity Secondary School

Under the GoGlobal programme, I had the opportunity to participate in a cultural exchange with the National Institute of Technology, Ariake (NITA) in Fukuoka Prefecture, Japan. During my 10 days there, I got to experience the life of a Japanese student and local.



After a six-hour flight to Fukuoka International Airport, we took a two-hour bus ride to the school dormitory. Unlike SP, the school was located nearer to the outskirts which meant there weren't any convenience stores nearby.

Our typical day consists of waking up at 7am to have breakfast before taking a five minute walk to the school. We spent the first few days learning about the school, courses and clubs available!



This is my buddy, Ryoko! She brought me around to experience the local life, including watching a movie! How often do you watch a movie when you're overseas, right?



66 This trip has been an eyeopener! I've always been interested in Japan's culture and having the opportunity to go to Japan is definitely a highlight of my SP life! Hopefully, the bond between SP and NITA can stay strong for years to come so that there can be more opportunities like these. 99



Through our interviews we created Success Somwhang. We also provided prototype solutions which include an improved packaging to extend the shelf-life of the chilli paste.

We presented our solutions to the various parties involved and saw their eyes beaming with happiness. That was when we knew we did a good work!



Prototypes created by us!

66 I realised how much two weeks could change someone's life and motivate other youths to empower an entire community. 99

Estee Lee

Diploma in Integrated Events & Project Management  
Alumnus of Tanjong Katong Secondary School

Our Youth Expedition Project (YEP) was to visit a small village town in Nepal, called Bhakunde Besi. I chose to go for this trip because I felt inspired to help the Nepalese community after the Nepal earthquake back in 2015.

In Bhakunde Besi, children had to climb the hills to get to their primary school! Our objective was to help in the construction work, providing them an easier alternative.



Team SP!

Assisting in construction work was indeed a unique experience! This included transporting the bricks, mixing the cement as well as doing bricklaying. Every process was extremely tedious and required a lot of teamwork!



Transporting bricks and doing bricklaying for the classroom



We also indulged in the Nepali cuisine! This includes dishes such as buffalo meat, steamed and fried momo and pani puri! My favourite dish is the steamed momo, which is the Nepalese' version of dumplings!

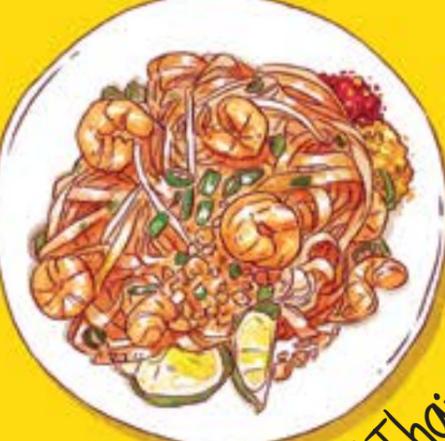
We also taught English at various schools in the area. Seeing how eager and excited the children were brought much warmth and joy to our hearts!



teaching the Nepalese school kids!

66 While we have contributed to the Bhakunde Besi community, I feel like I received more than what I gave. I definitely didn't regret signing up for this trip! 99

To Nepal we go!



Phad Thai @ Food Court 1

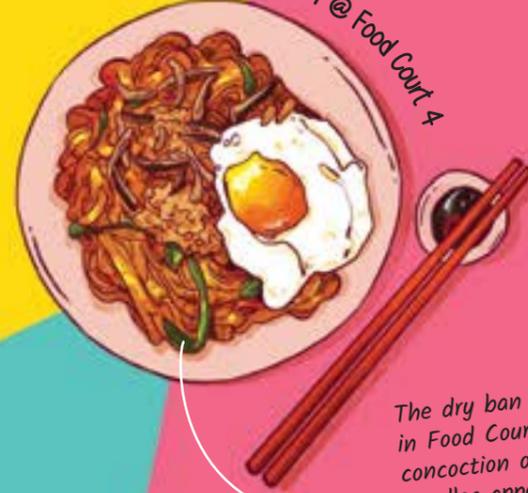
Another must-eat at Food Court 1 is Phad Thai. The noodles are infused with wok hei flavour and a generous serving of ingredients such as beef, chicken slices, shrimps and crushed nuts, making it a hearty meal.

### SP Mini Wok @ Food Court 3

Term time or not, there is always a long queue for SP Mini Wok. Its signature dish? Salted egg chicken with rice, topped with a sunny-side-up. While it may take up to half an hour for your food to be ready during peak hours, we'd say the wait is definitely worth it.



Dry Ban Mian @ Food Court 4



The dry ban mian at the Ban Mian stall in Food Court 4 is doused in a special concoction of sauces which makes the noodles appetising. The soup version is equally good, easily keeping your belly warm during rainy days.



Mala Xiang Guo @ Food Court 3

With a wide range of ingredients and three different levels of spiciness to choose from, Mala Xiang Guo is a very popular choice among SP students. If you're up for a challenge, go for the highest level of spiciness!

# What Shall We Eat Today?

Here's a guide to the must-eats in SP, which will help you tackle this perennial question.

## Ayam Penyet

@ Food Court 2

Crispy chicken fried to perfection, accompanied by fried tofu and a side of sambal, Indonesian Express' Ayam Penyet is definitely a crowd-pleaser. What's amazing is its consistency - the chicken is always succulent with a crisp coating and for just four dollars, it is very value-for-money.



**Health tip** ★ we know it's hard, but limit yourself to two cups a week.



## Bubble Tea

outside Food Court 4

One of the best ways to end a meal is... a cup of bubble tea! Apart from its signature brown sugar boba milk tea, there are also many fruit-based options to choose from at R&B Bubble Tea. Don't say bojio, our favourites are the Roasted Oolong Macchiato with cheese cream and Baby Luffy!

## Japanese Curry Rice

@ Food Court 1

Food Court 1's Japanese Curry Rice can only be described as heavenly. A large serving of katsu and perfectly cooked Japanese pearl rice ladled with home-made curry sauce; what more could you ask for?



**Pro tip:** ★ always top up with a soft scrambled egg.

## Coffee

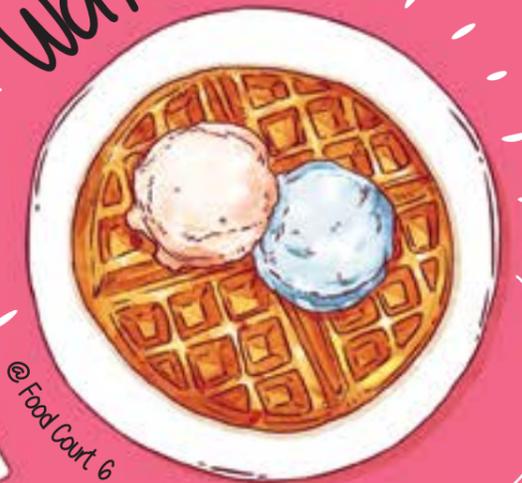
@ Starbucks (Food Court 5)

Lectures, project work, and assignments can be very draining. Swing by Food Court 5 to grab a cup of Piccolo Latte from Starbucks to perk yourself up with a dose of caffeine.

**Pro tip:** ★ Free upgrades are available on Wednesdays.



## Waffles



@ Food Court 6

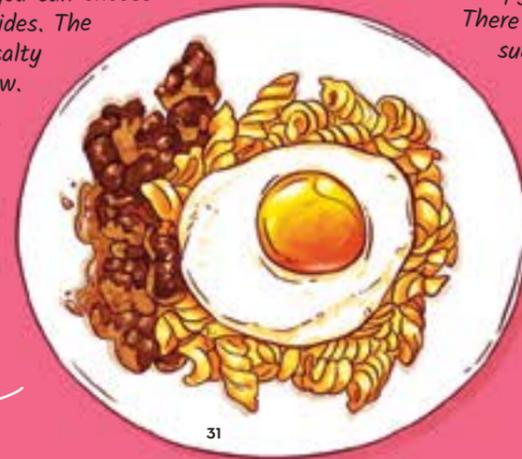
Who doesn't love fluffy waffles with ice-cream? The exterior of the waffles served at Waffle Street (aka 'Creamy Duck') is golden and crispy with a warm and soft interior. There are also other top-ups available such as nuts, chocolates and even local favourites like kaya and - OMG - durian!

## SP Special Pasta

@ Food Court 2

What is "SP Special Pasta"? It is a customisable pasta dish from the International stall where you can choose your preferred bases and add different sides. The highlight of this dish is the sweet and salty charred chicken that tastes like char siew.

**Pro tip:** ★ There is limited quantity everyday so go early if you do not want to be disappointed!



# AGAINST ALL ODDS

Faced with the fear of losing sight, battling sister's cancer, fighting off bullies and struggling with depression, read how these SP students refused to let these challenges throw them off their course!

*Not losing sight of her dreams*

## SHIRLEEN GOH

Diploma in Interior Design, Class of 2019  
Alumna of Jurongville Secondary School

### WHY INTERIOR DESIGN?

I have always loved interior design from a very young age! I'd watch a lot of home makeover TV shows. I also get a lot of inspiration from Instagram and Pinterest. I'm lucky to have landed a job in an interior design company after graduation. Since joining this company, I've understudied my boss, met clients, presented mood board drawings and conducted site coordination. I'm looking forward to take on my own projects in the future!

### WE UNDERSTAND THAT YOU WERE BORN WITH A CONDITION THAT AFFECTS YOUR VISION. CAN YOU SHARE MORE ABOUT IT WITH US?

It's called the cone-rod dystrophy, an eye condition that causes deterioration of the cone and rod photoreceptor cells in the retina – resulting in gradual loss of vision. I discovered this condition when I was 10. I kept getting the numbers 6 and 8 mixed up. So when I went for an eye check-up in school, the optician was

unable to take my degree and told me to consult a doctor. Unfortunately, there is currently no cure or treatment for this condition.

### WITH THIS CONDITION, HOW DID YOU COPE WITH YOUR STUDIES THEN, AND YOUR WORK NOW?

I cannot see well in bright light so this affects many things I do. In SP, I had problems keeping up with the lectures, especially when the visualiser was used. Fortunately, my classmates and lecturers were very supportive - they would always take time to explain concepts to me patiently. My lecturers also helped me see drawings better by using thicker markers. As for work now, I am shadowing my mentor to meet with clients. Currently I work on drawings digitally, so I am able to enlarge the screen to see better. Despite all these challenges, I try to remain positive and remind myself of many others out there with worse disabilities, but are doing well. This motivates me to not belittle or limit myself.



Source: The Straits Times, Singapore Press Holdings

*Finding her rainbow after the storm*

## NADHIRAH INSYIRAH ABU BAKAR

Diploma in Electrical & Electronic Engineering, Class of 2019  
Alumna of Unity Secondary School and ITE College West

### WHY ELECTRICAL & ELECTRONIC ENGINEERING?

I had no prior knowledge in engineering, but I was open to trying something new. I enrolled in an Electronics Engineering course at ITE and that was when I developed my passion for engineering.

### WE ARE SORRY TO HEAR YOUR SISTER WAS AFFLICTED WITH CANCER, WE ARE GLAD SHE IS BETTER NOW. HOW WAS IT DURING THAT PERIOD FOR YOU AND THE FAMILY?

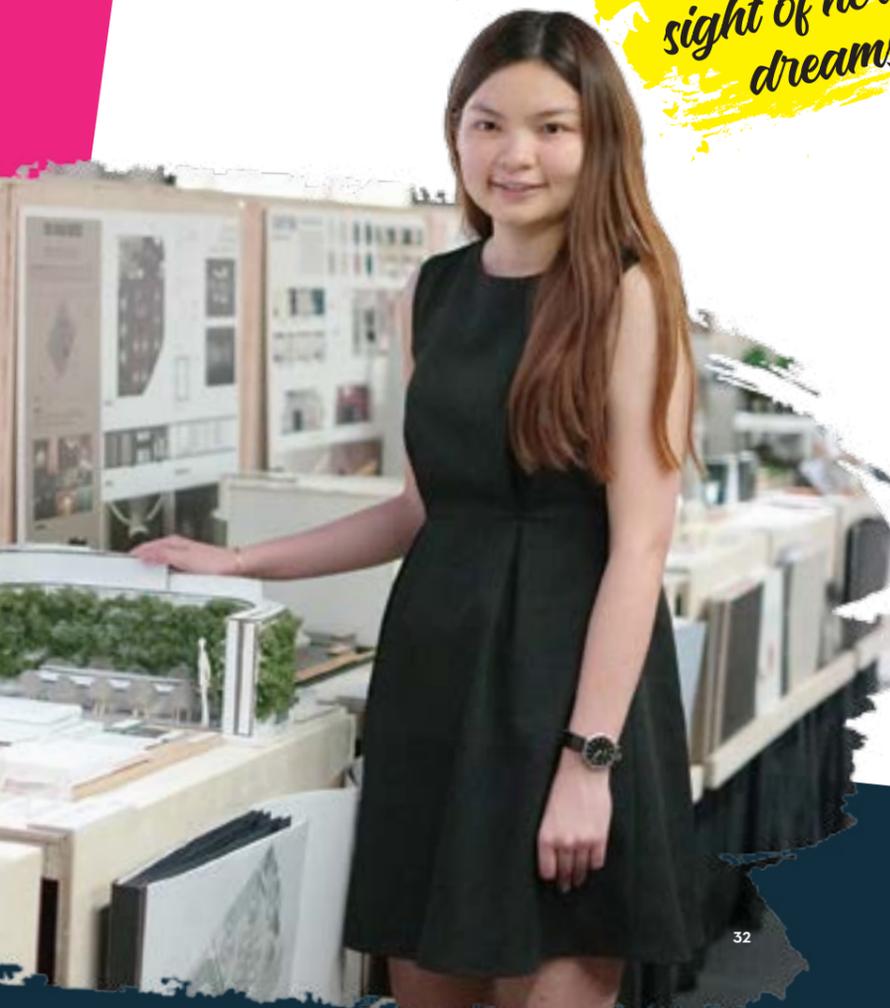
It was actually very challenging. My elder sister was diagnosed with Leukaemia when I was in Year 2. I am very close to my sister so I was devastated when I heard the news. She was hospitalised for almost a year. I spent most of my time after school either visiting her at the hospital, or working part-time to ease my family's financial load. It was hard juggling school, family, work and going to the hospital. But I ensured that I complete my assignments during school hours, before I head to the hospital or work. For group project discussions, I will stay 1-2 hours after classes and then leave for the hospital. Thankfully my classmates were very understanding. However, when deadlines are near, I would stay back longer, and inform my family beforehand, so we can make sure someone is always with my sister.

### CONGRATULATIONS ON LANDING YOURSELF A JOB BEFORE GRADUATION! HOW DID YOU DO IT?

I think this path is truly meant for me. My employer offered me a permanent position, as an Assistant Engineer, when I was just three months into my internship! Even though my academic results could be better, my boss was willing to take me in as long as I continued to have a positive attitude to learn and grow.

### WHAT IS YOUR ADVICE TO CURRENT STUDENTS WHO COULD BE FACING SIMILAR CHALLENGES AT HOME?

First of all, you got to accept your fate and don't ever feel like your problems are a burden. Don't give up on life and fight on, because there's always a rainbow after every storm.



*I am just like everyone else*

**CHRISTOPHER LOY**

Diploma in Creative Writing for TV & New Media (DTVM), Class of 2019  
Alumnus of Anglo-Chinese School (Barker)



**HOW DID YOUR PASSION FOR WRITING COME ABOUT?**

I love to share stories and I express myself best through writing than speaking. When I found out that SP's Diploma in Creative Writing for TV & New Media (DTVM) offered not only creative writing, but modules such as web and video production as well, I knew I had to apply for it. My favourite module is for sure, Journalism. I get very absorbed once I get into the world of writing.

**AS A STUDENT WITH HIGH-FUNCTIONING AUTISM (HFA) OR HIGHER ASPERGER'S, DID YOU FACE ANY CHALLENGES?**

Prior to joining SP, I was always the target for bullying in school. It was a painful phase for me. I was usually by myself and my classmates would hurl negative remarks at me. Many people do not realise that people with HFA are actually very normal. We think and complete tasks like everyone else. Sometimes, it even helps us to see things from angles that most people fail to. The only difference is that at times, we get more anxious or have a lower verbal reasoning ability.

Thankfully, my lecturers and classmates in DTVM were all very welcoming and patient. They made my time in SP a comfortable one. In fact, during a six-month internship stint with the Autism Recovery Network (ARN), my interest in writing deepened when I was tasked to assist the team in their marketing efforts.

My role was to write content for ARN's new website and to conduct research on marketing strategies. The highlight was definitely when the forum letter I wrote caught the attention of The Straits Times and was subsequently published. This whole episode definitely boosted my overall confidence.

**WHAT IS YOUR DREAM?**

Writing is definitely my destiny. My plan is to read a marketing and writing degree in university. Hopefully by then, with more skills and knowledge, I would be able to shine in a marketing-related role and contribute to the society.

*Calm your heart  
Clear your mind  
Neither a disease  
Nor a disability.*

*I will be fine  
I know I will be good  
I can be back to normal  
Once this thing goes.*

*I have it under control  
I feel it kick in  
I no longer worry.  
But when will it hit again?*

*Less serious than before  
That is for sure  
Soon I will be fine  
That I will be just like everyone else.*

*She wrote this poem*



*I turned my emotions into art*

**JOANNA LUM**

Diploma in Energy Systems and Management (DESM) (now defunct), Class of 2017  
Alumna of Fuhua Secondary School

**HOW DID YOU COME TO SELECT THE DIPLOMA IN ENERGY SYSTEMS AND MANAGEMENT (DESM) AS YOUR COURSE?**

When I was in Secondary Three, a tuition teacher who taught me Physics changed my impression of Science. Somehow, he was able to make the concept of Physics very interesting. That was the first time I wanted to dive deeper into the world of Science.

One thing that brought me to DESM is the Solar Car project. I came across it online and was very intrigued by it. The topic of solar energy was fascinating and I wanted to find out the different ways of energy consumption and how we can create energy from our surroundings.

**DID SP SATISFY YOUR DESIRE TO KNOW MORE ABOUT SOLAR ENERGY?**

I'd be lying if I said no. First of all, I got to work on my dream project - Solar Car - where I helped to develop the car battery. I also got to apply the skills and knowledge learnt in DESM to help

communities in need. Under the Overseas Social Innovation Project, I travelled to the Philippines and developed a manual Washing Machine prototype that allowed the local community to clean their clothes. The community

had limited electrical supply so we figured that a self-powered Washing Machine would be the most effective, efficient and self-sustainable!

**AS MUCH AS YOU ENJOYED YOUR TIME IN SP, WE UNDERSTAND THAT YOU ALSO WENT THROUGH A LOW PERIOD IN YOUR LIFE. CAN YOU TELL US MORE ABOUT IT?**

As I started my second year in SP, things started to feel different. For someone who was always passionate to share ideas and tutor my classmates, I started to isolate myself more. I would procrastinate, spend a lot of time in bed and even had thoughts about non-existence. When I went to see a Psychologist for the first time, she diagnosed me as depression-free. It was only when I continued to portray signs of restlessness and a lack of vitality, when my mother decided to bring me to visit another Psychologist. This time round, I was diagnosed with having Depression.

**HOW DID YOU OVERCOME YOUR CONDITION AND WHAT WOULD BE A WORD OF ADVICE FOR PEOPLE WHO ARE UNDERGOING THE SAME CONDITION?**

It is unfortunate, but part of the society still holds a stigma against people with mental conditions. Whenever I bared my heart out to people, I still get judgemental reactions from time to time. However, it is good to know that the situation is slowly changing. Nowadays, I try to find an outlet to channel my inner feelings. I would write poems about my sentiments and I am even thinking about taking part in a poetry contest!

My advice: Never be afraid to speak out and get help. If it is hard to share about it, try to find an outlet that is emotionally safe for you. Do not always isolate yourself and do accept help when it is offered to you. It is a huge struggle, but you have to pick yourself up. Better days will come!



*We have the perfect excuse - it's summer all-year round*  
 Left to right: Goh Zhan Hong; Diploma in Chemical Engineering (DCHE) and Ahmad Akid Bin Taufik; Diploma in Aerospace Electronics (DASE)



*Mix-and-match your existing staples, and reinvent your style*  
 Left to right: Jordan Wee Wei Xin; Diploma in Engineering with Business (DEB) and Phoebe Tan Kit; Diploma in Interior Design (DID)



*When all else fails, go with neutral tones*  
 Left to right: Vinit Chittesh Mehta; Diploma in Marine Engineering (DMR) and Ruban Raj S/O Sivarajan; Diploma in Perfumery & Cosmetic Science (DPCS)

# DRESS TO IMPRESS

WHO SAYS YOU NEED TO GLAM UP FOR YOUR YEAR-END PARTIES? THESE SP STUDENTS SHOW HOW YOU CAN BE YOURSELF AND STILL BE COOL.



*Flower power! And that's all you need*  
 Nurserena Sofea Binte Abdul Manaf, Diploma in Integrated Events & Project Management



*Many will check you out when you throw on a good ol' checkered piece*  
 Anjaly Tresha Roy, Diploma in Business Information Technology (now known as the Diploma in Information Technology, DIT)



*Keeping it classy, keeping it cool*  
 Left to right: Choo Xuan Jing Vera; Diploma in Mechanical Engineering (DME) and Torres Vince Tairone Eti; Diploma in Applied Chemistry (DAPC)

# CONTEST TIME!

Calling out to all secondary school and SP students, get your hands on this cool T-shirt!



Q1

What did SP student Joanna Lum do to overcome her condition?

- (A) Write songs
- (B) Write poems
- (C) Write stories

Q2

How many scholars were featured?

- (A) 6
- (B) 8
- (C) 9

Q3

Name SP's newest diploma.

Q4

Which dish was highlighted in this issue?

- (A) Salted egg chicken with rice, topped with a sunny-side-up
- (B) Roti Prata with ice cream
- (C) Thai olive fried rice

Q5

Name one of SP's hotspots.



Simply scan the QR code, answer these simple questions and submit your responses by **17 January 2020**. 20 lucky participants will be contacted by the SPirit team to collect your shirts.

All the best!

**JUST IMAGINE**  
**MAKING YOUR  
MARK ON THE  
NATION'S FUTURE.**

**Think bigger with SP**

**U+SP OPEN HOUSE**  
**9-11 JAN 2020**

**OPEN HOUSE HIGHLIGHTS**  
**9, 10 & 11 JANUARY, 10AM TO 6PM**

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