

SP IRIT

SINGAPORE
POLYTECHNIC | **SP**

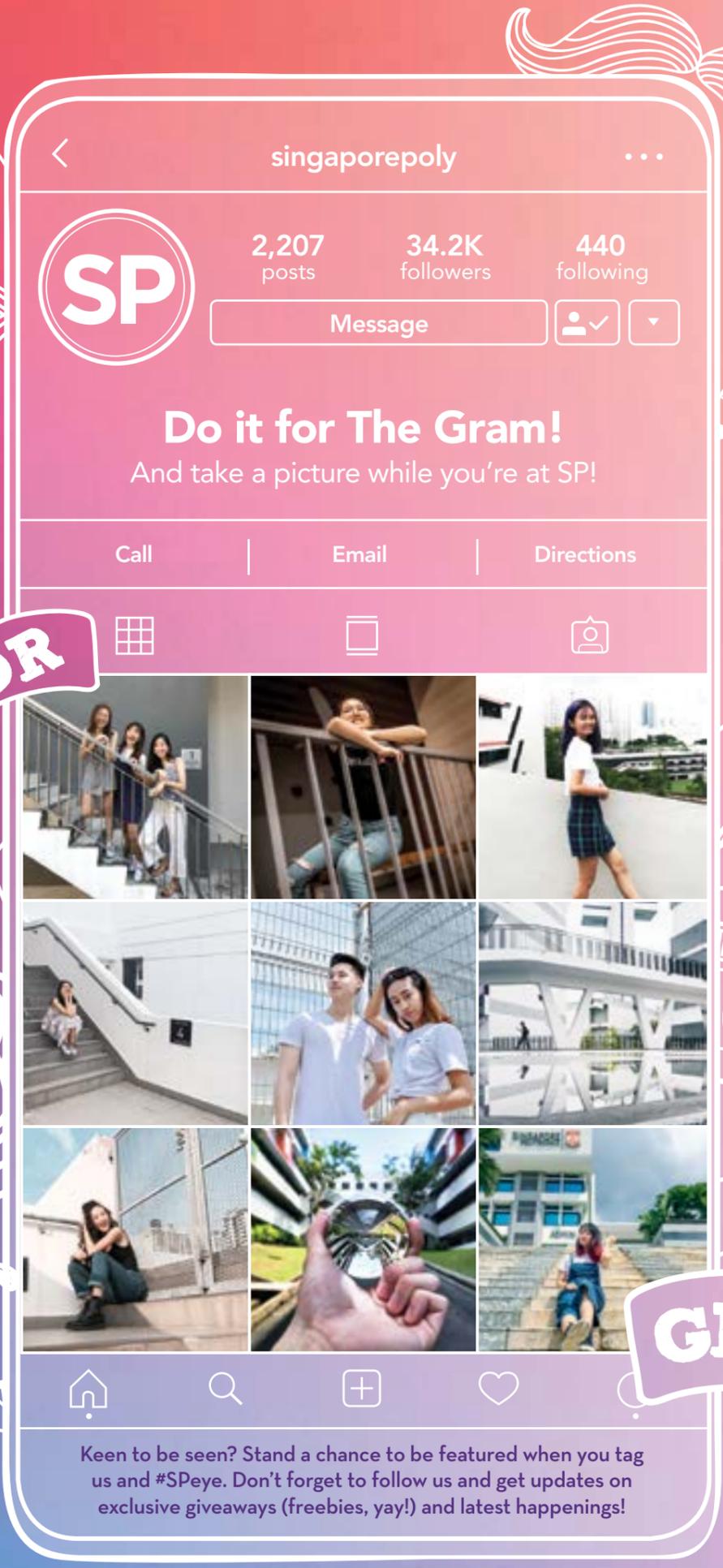
Ever wondered what some of our alumni have been up to since their graduation?
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Check out some of our students' overseas adventures! p.34

Meet the STAR graduates of 2019! p.04



DO IT FOR



THE GRAM

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THE SPIRIT TEAM		
Team Advisors Yvonne Chan Low Su-Lin	Cover Model Top (left to right): Callista Anne Yin Kai Ren, Songkiat Ow Shiyuan, Joscelyn Chong Cai Ting	Bottom (left to right): Goh Aik Lang, Ong Jun Hock Ryan, Tan Wee Kiat
Editorial Team Lynn Wee Dione Chew Zulaikha Zulkiflee	Middle (left to right): Phua Shin Zert, Quek Jun Hui	Magazine designed by Oxygen Studio Designs Pte Ltd

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Karlsheim Chandran



Diploma in Mechatronics & Robotics (DMRO)
Alumnus of Commonwealth Secondary School

CREATE A PIPE CLIMBING ROBOT

As part of their solution to ensure safety during human inspections in quay cranes at ports, robots are used instead, to aid in visual inspections.



Watch the video here!

"As the cranes are built from varying sizes of large iron pipes, this robot uses magnetic wheels to attach itself onto the metal pipes. It also uses a special joint in-between the two bodies to align and orientate, either parallel or perpendicularly, onto the curvature of the pipe. It can be controlled to traverse along or around the pipe using Radio Control and has a wireless camera system which can pan and tilt, enabling the user to view additional areas around the pipe via a mobile app. Skills and theories we learnt in SP such as Computer Aided Drafting (CAD) and Computer Aided Machine (CAM) helped in the building of this project, together with the close guidance of our lecturers."

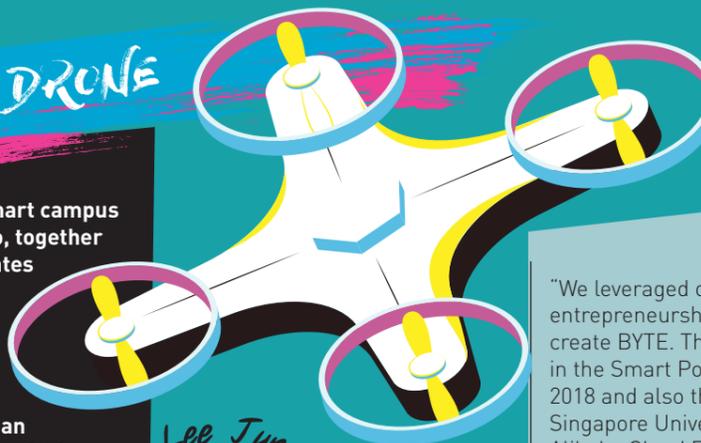


BUILD A DRONE

As part of SP's smart campus initiative, Jun Hao, together with his group mates worked on a project called 'SPSecure', a state-of-the-art surveillance system that uses an unmanned aerial vehicle to detect and pursue any intruders who enter SP's campus.



Watch the video here!



Lee Jun Hao



Diploma in Aerospace Electronics (DASE)
Alumnus of Compassvale Secondary School

"Our supervisor, senior lecturer Dr Tan Hwee Siang, guided us throughout the entire process. He aided us with the sourcing and purchasing of our main drone, the Matrice 100 by DJI and the onboard computer, Nvidia Jetson TX2. The facilities here at SP have also been an integral part to the success of our project, where we were able to carry out our test-flights and filming. SP has also given us a lot of opportunities to showcase our project. In January 2019, our team was selected as one of the three projects to be showcased during our school's annual Engineering Show. For this year's show, SP partnered with Singtel and Ericsson to launch Singapore's first live 5G facility, where we had the opportunity to present to esteemed guests."

"We leveraged on our skills in coding, entrepreneurship and marketing learnt in SP to create BYTE. The project has won us first place in the Smart Poly Final Year Project Challenge 2018 and also the opportunity to participate in Singapore University of Social Sciences (SUSS) Alibaba Cloud Entrepreneurship Programme, where we received mentorship from industry partners. None of this would be possible without the support of our lecturers and SPinOFF (Entrepreneurship Centre for Singapore Polytechnic), where we learnt the different aspects and skills needed in entrepreneurship. We were also given opportunities to network

with industry professionals through networking sessions and exhibitions. My team and I are currently looking to bring BYTE to other education institutions and we are now in the midst of receiving investment from a venture capitalist."



BE AN ENTREPRENEUR

Noticing a gap in the market, Boon Hao, together with his groupmates started a campus food delivery mobile application that helps busy students skip long queues at food courts, while providing job opportunities for other students.

Yeo Boon Hao
Diploma in Business Information Technology (DBIT)
Alumnus of Tanglin Secondary School



WITH
SP

I CAN...

"Yes, you can, too! Find out how these students explore, innovate and become creators in their own right at SP!"

TEAM SP... REDEFINING CHAMPIONS

CONGRATULATIONS

OUR STARS OF 2019

Nobody said the path to success was easy, but these eight Institutional Medallists are living proof that anything is possible as long as you work hard and persevere. Read how SP has shaped these top performers to who they are today.

After landing in the Normal Technical stream due to his bad PSLE results, Songkiat Ow Shiyuan was looked down by relatives and friends. He persevered and pursued Chemical Process Technology in ITE and eventually topped his cohort with a perfect GPA. With a passion for sciences, Songkiat decided to enroll in Singapore Polytechnic (SP)'s Diploma in Chemical Engineering (DCHE), as he was impressed by SP's well-equipped facilities.

Besides being a Model Student Award recipient, Songkiat was also the Vice-President of the DCHE Student Chapter, where he initiated a peer mentoring programme for his classmates to study together. Outside of SP, Songkiat gave back to the community as the Assistant General and Community Service Secretary of the Clementi Youth Executive Committee. Over six years, he distributed food rations and initiated various education and sports events for residents.

Songkiat also participated in SP's Learning Express (LeX) programme to the Philippines where he worked with other students to equip villagers with business knowledge to further improve their livelihood.

For his final-year project, Songkiat worked at the prestigious Institute of Materials Research and Engineering within the Agency for Science, Technology and Research (A*STAR), to explore ways to improve the efficiency of Solar Cell technology. Songkiat also embarked on a 22-week internship as a Production Intern at Nestle Singapore, where he worked on designing and proposing cost-effective solutions for the company's production process.

The resilient individual has been offered a place to read Chemical Engineering at the National University of Singapore, as well as, Chemical and Biomolecular Engineering at the Nanyang Technological University. Songkiat aspires to be a process or chemical engineer, and hopes to become an ITE lecturer one day, to mentor to Normal and ITE students.

IT'S NOT
THE
END

SONGKIAT OW SHIYUAN

AWARDS

- LEE KUAN YEW AWARD
- EXXONMOBIL GOLD MEDAL
- OCBC PRIZE

Alumnus of Clementi Town Secondary School

Due to his straight-talker nature, Ryan was bullied for all of his secondary school days. The bullying resulted in him skipping school for almost a year before transferring to West Spring Secondary School just to complete his education.

As a result of his bumpy journey, Ryan scored badly for his G.C.E. 'O' Levels and could only qualify for a handful of polytechnic courses. However, Ryan saw polytechnic as a new season and wanted to contribute to Singapore's Smart Nation.

Even though he was weak in Physics and had no background in Additional Mathematics, Ryan challenged himself and applied for Singapore Polytechnic (SP)'s Diploma in Computer Engineering (DCPE).

It was a blessing in disguise as SP provided Ryan the right platforms to grow his confidence, character and knowledge. He learned to lead through the SP's Leadership Programme camp in Johor Bahru and his appointment as a class leader.

Ryan was also one of the founding members and Chairman of the School of Electrical & Electronic Engineering Ambassadors Club, where he developed a framework to better manage the club and its activities.

He also took part in a hackathon organised by the Singapore University of Technology and Design (SUTD) and developed an innovative recycling machine prototype. The invention impressed the judges and he walked away with the 1st prize.

During his 22-week internship at the Centre for Strategic Infocomm Technologies, the SP Model Student put his engineering skills to good use and developed a unique solution to identify potential data leakage.

Ryan has already been offered the SUTD Global Distinguished Scholarship to read Engineering Systems and Design. He hopes to pursue a career as a legal tech advisor and contribute to Singapore's Smart Nation journey.

FAITH AND
BELIEF LEAD
TO SUCCESS

RYAN
ONG JUN HOCK

AWARDS

- LEE KUAN YEW AWARD
- CISCO SYSTEM GOLD MEDAL
- OCBC PRIZE
- THE INSTITUTION OF ENGINEERS GOLD MEDAL AWARD

Alumnus of West Spring Secondary School

Even though Aik Lang missed qualifying for the Polytechnic Foundation Programme (PFP) by one point, he did not give up. Instead, the Damai Secondary alumnus gave himself a new goal - to do well for G.C.E 'O' Levels.

Aik Lang then applied to Singapore Polytechnic (SP)'s Diploma in Accountancy via the Early Admissions Exercise - and qualified for the conditional offer. However, he was later rejected as he did not meet the minimum 'O' Levels requirement for English. Instead of feeling demoralised, he flipped through the admissions book to find the next best course.

That was when SP's Diploma in Business Information Technology (DBIT) caught his eye - he was amazed at how analytics can help improve businesses and processes - and he successfully enrolled through the Joint Poly Special Admissions Exercise by tapping on his Handball achievements.

In SP, Aik Lang rose through the ranks to become a management committee member of SP's Handball team and participated in the POL-ITE Handball championships from 2016 to 2018, where they were the defending champions.

The SP Sports & Arts scholar also represented Singapore in the International Handball Federation Challenge Trophy 2018 and Singapore Handball Open, where his team came in third and fourth, respectively. In recognition of his sports achievements, Aik Lang received the Sports Award (Honours) and Sports Award (Colours) during SP's annual Excellence Awards.

During his 17-week internship at Nufin Data as a developer, Aik Lang's passion in analytics bloomed. His diligence and hard work paid off as he was offered a job before graduation. For his contributions, Aik Lang also received the SP Model Student Award.

Aik Lang has already accepted an offer to read Information Systems at the Singapore Management University. He hopes to work at a tech-giant in the future and develop useful technology that will benefit mankind.

LIFE TOOK
A TURN FOR
THE BETTER



★ AWARDS
- LEE KUAN YEW AWARD
- IMDA GOLD MEDAL
- OCBC PRIZE
GOH AIK LANG

Alumnus of Damai Secondary School

Jun Hui enrolled in Singapore Polytechnic (SP)'s Diploma in Marine Engineering (DMR) in 2011. Instead of working hard, he found it more practical to work as it allowed him to lighten the burden on his mother who brought him up single-handedly.

The Henderson Secondary School alumnus also often played truant and partied with bad company till wee hours. After two semesters of failing his exams, Jun Hui dropped out of SP.

With no direction in life, he helped out at his brother's retail business before enlistment - and the idea of running a business appealed to him.

Wanting to start anew, Jun Hui applied for SP's Diploma in Maritime Business (DMB) and he was given a second chance to pursue his new-found passion for business and the maritime industry.

Jun Hui stayed away from bad company and worked hard during his first year - he was awarded the SP Scholarship for his hard work. He also had the opportunity to go on a 10-day overseas immersion programme to Dalian Maritime University, China, where his appreciation of the maritime industry deepened.

The altruistic Jun Hui also joined the SP Welfare and Services club, where he provided mentorship for underprivileged children and organised weekly visits to Bukit Batok Elderly Services. For his commitment, Jun Hui was awarded the Model Student Award.

During his second year, Jun Hui completed his internship at InterAsia Singapore Pte Ltd where he was exposed to various roles including ship management, equipment control and commercial sales. For his good work performance, he was offered him a full-time job before graduation!

With a desire to continue learning, Jun Hui plans to pursue a Maritime Business degree at the Nanyang Technological University and aspires to become an entrepreneur.



QUEK JUN HUI

FROM
DELINQUENT
TO CAPTAIN
OF HIS
LIFE

★ AWARDS
- TOH CHIN CHYE GOLD MEDAL
- MARITIME & PORT AUTHORITY
OF SINGAPORE GOLD MEDAL
- SINGAPORE MARITIME
EMPLOYERS' FEDERATION PRIZE

Alumnus of Henderson Secondary School

Joscelyn scored five points for her G.C.E 'O' levels and choosing a science-related diploma was instinctive. However after her first year in Singapore Polytechnic (SP)'s Biomedical Science course, the Hong Kah Secondary School alumna realised that was not her passion.

Joscelyn envisioned a career which would allow her to engage actively with people. So, she started looking for other opportunities and chanced upon Human Resource (HR). After much research and consultation with lecturers, Joscelyn made the brave decision to pursue a Diploma in Human Resource Management with Psychology (DHRMP) instead.

As she was new to this area of study, she felt uncertain. But she pushed on to stay true to her interest.

In SP, Joscelyn not only soaked in as much HR knowledge, but she also awakened her spirit to serve the community. As an ardent supporter of the elderly and children, the SP Welfare Services Club member would organise activities for the beneficiaries.

During her internship with a local organisation, Joscelyn helped to develop guidelines that affect the employment standards, and also conducted international scans and research on best employment practices.

She, too, translated her HR skills into her final-year project as she developed out-of-the-box solutions to help a local bakery address its challenge in talent attraction. Her ideas were commended and adopted by the client after months of hard work.

Joscelyn's sterling results - she will graduate top of her cohort with a perfect grade point average - have already earned her the prestigious NUS scholarship and an offer to pursue a degree in Business Administration at the NUS. She has also been offered the Nanyang Scholarship and a spot to read Business at the Nanyang Technological University.

AWARDS
 - LOW GUAN ONN GOLD MEDAL
 - TAFEP GOLD MEDAL
 - ALFRED ROBERT EDIS PRIZE

DARE TO BE DIFFERENT

JOSCELYN CHONG CAI TING

Alumna of Hong Kah Secondary School

After losing a series of solar boat competitions during his time in secondary school (in Malaysia), Shin Zert realised that the winning teams had fabricated their mechanical parts.

He started searching for ways to improve his solar boat when he chanced upon Singapore Polytechnic (SP)'s Diploma in Mechanical Engineering (DME). He knew that it would help him achieve his engineer dreams so he applied to SP via the Early Admissions Exercise.

The first two months were filled with excitement but it was soon replaced with grief as Shin Zert's father was diagnosed with Stage Four lung cancer and had to stop working.

As a result, the family lost their sole breadwinner and Shin Zert had to work part-time to ease his family's financial situation. Despite that, the committee member of the International Students' Club still co-organised regular visits to nursing homes.

Shin Zert also did well academically and his efforts were recognised by his lecturer who nominated him as the President of the SP Student Chapter of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

As President, Shin Zert led a team of four to represent Singapore at the ASHRAE Region XIII 21st Chapter Regional Conference 2018 - Student Forum Competition in Hong Kong. The team presented their innovative engineering solutions to make buildings environmentally friendly, and clinched the 1st runner up spot - beating eight university entries.

As part of his final-year project with the defence industry, Shin Zert used a Mechanical Accelerator Device (MAD) and set the world record for the fastest ping pong ball travelled at 3000km/h.

Shin Zert has already been offered a spot to read Mechanical Engineering at Singapore's top universities, and hopes to play a part in combating climate change - by developing solutions that will reduce energy wastage - in the future.

WHEN THE GOING GETS TOUGH, THE TOUGH ENGINEERS A WAY OUT

AWARDS
 - CHUA CHOR TECK GOLD MEDAL
 - KEPPEL OFFSHORE & MARINE GOLD MEDAL
 - STARLIGHT TOOL PRECISION ENGINEERING MERIT AWARD
 - THE INSTITUTION OF ENGINEERS GOLD MEDAL AWARD

PHUA SHIN ZERT

Alumnus of Sekolah Menengah Jenis Kebangsaan Sam Tet

'EX-PSYCH-ED' FOR THE FUTURE

AWARDS
- TAN KAY YONG GOLD MEDAL
- SHENG HONG GOLD MEDAL

CALLISTA ANNE YIN KAI REN

Alumna of St Hilda's Secondary School

While most students are inspired by a momentous experience to pursue their passion, Callista's motivation was her younger sister, who was diagnosed with Dyslexia and ADHD.

Curious about her sister's condition, Callista started reading up on mental health disorders and that fuelled her interest in psychology. The St Hilda's Secondary alumna then applied to Singapore Polytechnic (SP)'s Diploma in Applied Drama & Psychology (DADP) through the Early Admissions Exercise.

Even though Callista eventually scored six points for her G.C.E 'O' Levels, SP's unique DADP appealed to her as it allowed her a platform to influence communities and raise awareness for the disadvantaged.

And she did.

As part of her final year project, Callista and her team produced an interactive theatre programme for the Community Health Assessment Team (CHAT) - a programme under the Institute of Mental Health (IMH) - to raise mental health awareness. The programme left such a positive impact that it received funding from the National Youth Council for a re-run.

However, Callista's experience with mental health runs deeper. Back in Secondary Four, she suffered from anxiety, broke down and isolated herself often. During her second year in SP, she also witnessed her close friend - who suffers from mental health issues - attempt suicide.

The plucky teen has since parlayed her experience into giving back to the community. During her six-month internship at Halogen Foundation Singapore, Callista organised trainings and workshops to help youths develop leadership skills.

Callista also excelled holistically as a member of SP's Strictly Dance Zone (SDZ) club. She performed at various events and even co-choreographed a dance item.

Throughout the years, Callista has understood and showed true mettle. As a result, she hopes to pursue a bachelor's degree in psychology so that she can give back to the mental health community one day.

DESIGNING HIS PATH TO SUCCESS

AWARDS
- TAY ENG SUON GOLD MEDAL
- IMDA GOLD MEDAL

TAN WEE KIAT

Alumnus of Fairfield Methodist School (Secondary)

As a disobedient boy in primary school, Wee Kiat did badly for PSLE and as a result, landed him in the Normal Technical stream. His behaviour did not improve and he was on the brink of expulsion when given four strokes of the cane.

The turning point for Wee Kiat came in Secondary 3 when he excelled in Mathematics as a result of close mentoring by his teacher. Realising that he could achieve what he set his mind to, he began doing well in school. Scoring four points for his N-Levels, he enrolled into Visual Communication at the Institute of Technical Education (ITE) College Central.

With a passion for drawing, Wee Kiat would often use his imagination to draw on anything that he could get his hands on. After ITE, he decided to enrol into Singapore Polytechnic (SP)'s Diploma in Visual Communication and Media Design, to hone his skills in graphic design, along with photography, film and advertising.

As an active member at SP's The Student Agency, Wee Kiat worked with external clients on graphic designs. He also participated in the Asian Film Archive Annual Report Design Project, and the National Logo Design Competition for the National Resuscitation & First Aid Council.

Wee Kiat also interned at the Foreign Policy Design Group, an internationally awarded, design agency, where he worked with international colleagues and was exposed to a diversity of culture, language and graphic design practices.

Wee Kiat hopes to run his own design agency one day, focusing on sustainable design solutions. He plans to pursue a degree in Visual Communication and gain work experience, before making his way back to SP as a lecturer to mentor a new generation of aspiring designers.

COURSE MEDALLISTS OF 2019

HERE'S WHY THEY ARE ALL
SMILES! GOOD JOB TO THESE
STUDENTS WHO TOPPED THEIR
COHORT FOR THE YEAR!



SCHOOL OF ARCHITECTURE & THE BUILT ENVIRONMENT (ABE)

First Row (From left to right)

ACESON HAN CHANG CHOU
Diploma in Architecture
Ang Mo Kio Secondary School

WILLIAM
Diploma in Civil Engineering With
Business
Sembawang Secondary School

PHYLLIS OH YU HUI
Diploma in Interior Design
Yishun Secondary School

Second Row (From left to right)

NAM SHI HUI VANESSE
Diploma in Hotel And Leisure Facilities
Management
Zhenghua Secondary School

HANG ZI QI
Diploma in Integrated Events &
Project Management
West Spring Secondary School

**IZWAN SHAH BIN
MOHAMED ISMAIL**
Diploma in Landscape Architecture
Hua Yi Secondary School

SCHOOL OF MECHANICAL & AERONAUTICAL ENGINEERING (MAE)

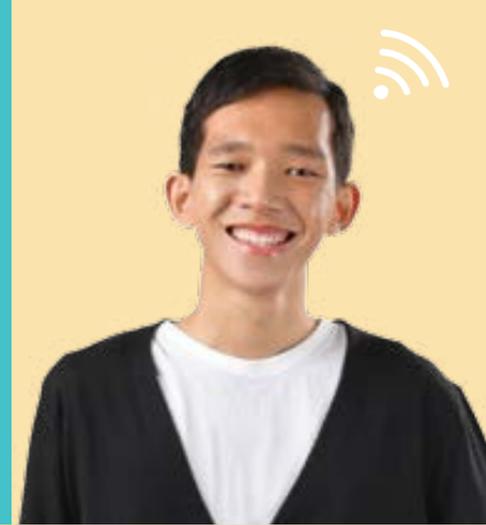
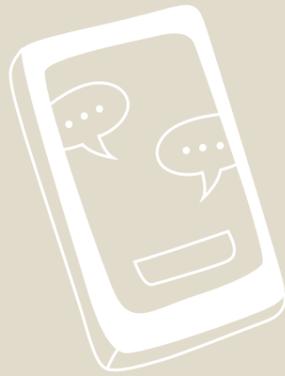
Third Row (From left to right)

PHUA SHIN ZERT
Diploma in Mechanical Engineering

ANG YUAN CHING
Diploma in Bioengineering

Fouth Row (From left to right)
TAN CHOON KAI GLENN
Diploma in Mechatronics & Robotics
Bukit View Secondary School

**SHEIKH ARFAHMI BIN
SHEIKH ARZIMI**
Diploma in Aeronautical Engineering
Hua Yi Secondary School



SCHOOL OF COMPUTING (SOC)

First Row (From left to right)

GOH AIK LANG
Diploma in Business Information Technology
Damai Secondary School

LI BEINING
Diploma in Information Technology
Geylang Methodist School (Secondary)

WEE YEE HONG
Diploma in Infocomm Security Management
Hwa Chong Institution

MEDIA, ARTS & DESIGN SCHOOL (MAD)

Second Row (From left to right)

CALLISTA ANNE YIN KAI REN
Diploma in Applied Drama & Psychology
St Hilda's Secondary School

LEE CHUN LE
Diploma in Music & Audio Technology
Hwa Chong Institution

TAN YAN LING
Diploma in Creative Writing For TV & New Media
Yishun Town Secondary School

Third Row (From left to right)

MUHAMMAD ASYRAF BIN AZMAN
Diploma in Visual Effects & Motion Graphics
Admiralty Secondary School

NG YI LI
Diploma in Game Design & Development
Bukit Panjang Government High

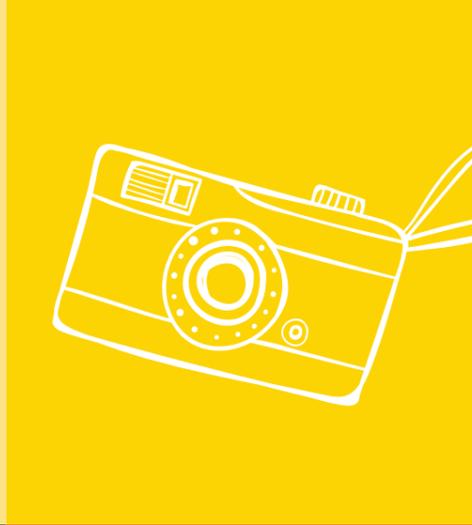
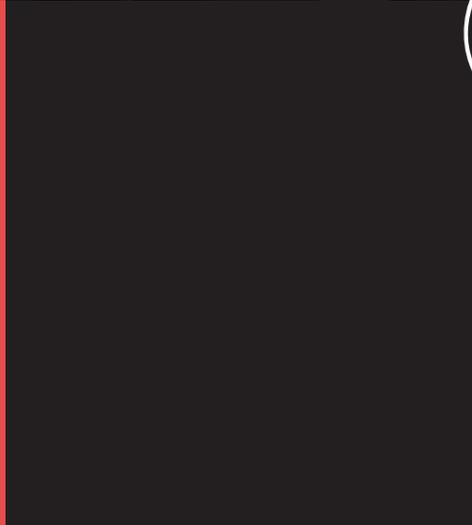
ONG KAH MIN
Diploma in Experience & Product Design
Tanglin Secondary School

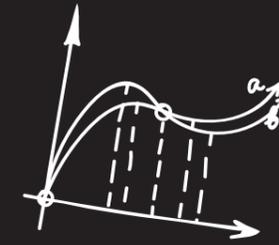
Fouth Row (From left to right)

TAN SIHUI VICTORIA
Diploma in Digital Animation
CHIJ Secondary (Toa Payoh)

TAN WEE KIAT
Diploma in Visual Communication & Media Design
Fairfield Methodist School (Secondary)
ITE College Central

WONG GUAN MIN
Diploma in Media & Communication
Chung Cheng High School (Main)





SCHOOL OF BUSINESS (SB)

First Row (From left to right)

NOE NOE SU AUNG
Diploma in International Business
Beatty Secondary School

VANESSA THIO KUN QIN
Diploma in Business Innovation & Design
CHIJ St Joseph's Convent

Second Row (From left to right)

YOW YU XUAN
Diploma in Business Administration
Guangyang Secondary School

LIM JUN YING
Diploma in Financial Informatics
Chung Cheng High School (Yishun)

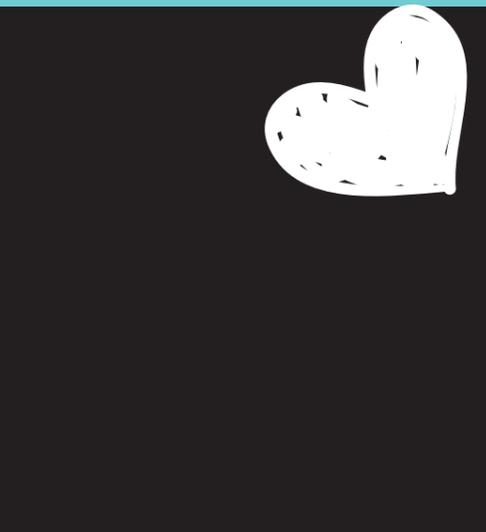
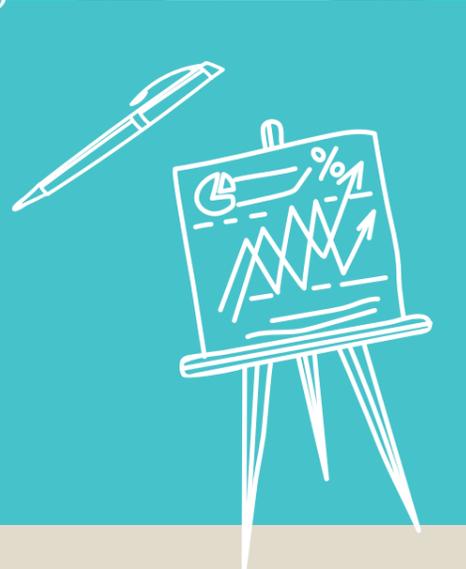
POH XIN YI
Diploma in Tourism & Resort Management
Evergreen Secondary School

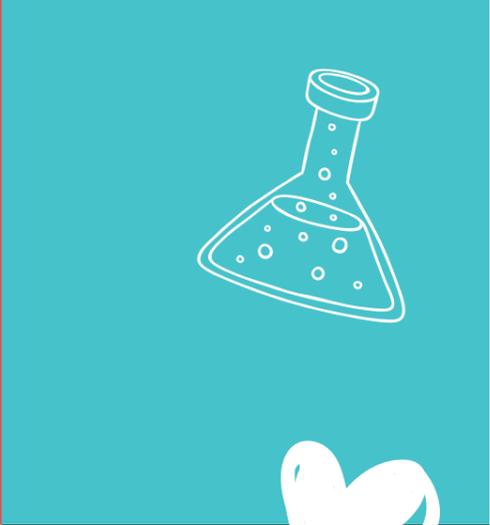
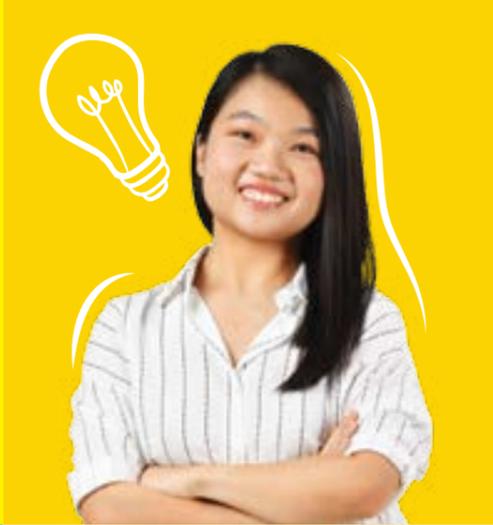
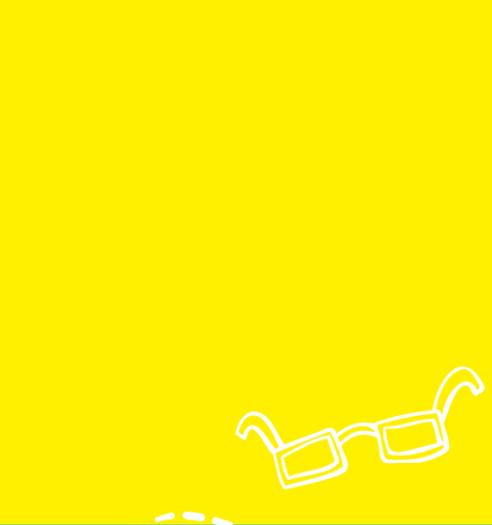
Third Row (From left to right)

TAN QIUYI CHARMAINE
Diploma in Banking & Finance
Balestier Hill Secondary School

Fouth Row (From left to right)
CHONG CAI TING JOSCELYN
Diploma in Human Resource Management
With Psychology
Hong Kah Secondary School

FOO JI GI
Diploma in Accountancy
Pei Hwa Secondary School





SCHOOL OF CHEMICAL & LIFE SCIENCES (CLS)

First Row (From left to right)

CHUA RUI FEN
Diploma in Applied Chemistry

RADHA SOUNDARARAJAN
Diploma in Perfumery & Cosmetic Science
Bukit Panjang Government High

Second Row (From left to right)

SONGKIAT OW SHIYUAN
Diploma in Chemical Engineering
Clementi Town Secondary School
ITE College East

ANG LI XIANG
Diploma in Nutrition, Health & Wellness
North Vista Secondary School

FAN CHONGYUE
Diploma in Biomedical Science
Methodist Girls' School (Secondary)

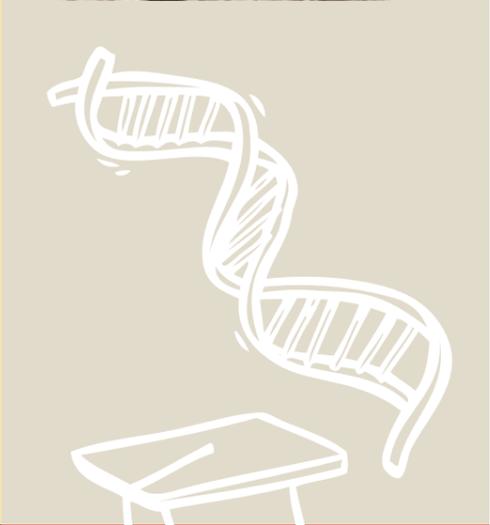
Third Row (From left to right)

LEUNG LEIK YU
Diploma in Biotechnology
Commonwealth Secondary School

Fouth Row (From left to right)

SHAZWAN TAN WEN HAO
Diploma in Optometry
Deyi Secondary School

YONG HON KEAT
Diploma in Food Science & Technology
Hai Sing Catholic School





SCHOOL OF ELECTRICAL & ELECTRONIC ENGINEERING (EEE)

First Row (From left to right)

ZHENG JINHE
Diploma in Aerospace Electronics
Orchid Park Secondary School

CHAI YU CHENG RAYNARD
Diploma in Engineering With Business
Woodlands Ring Secondary School

Second Row (From left to right)

HUBERT LEE SZE WEI
Diploma in Engineering Systems
Anglo-Chinese School (Independent)

NG BOON CHYE ALEX
Diploma in Energy Systems & Management
West Spring Secondary School

Third Row (From left to right)

ONG JUN HOCK RYAN
Diploma in Computer Engineering
West Spring Secondary School

QUEK JUN HUI
Diploma in Electrical & Electronic Engineering
Greendale Secondary School

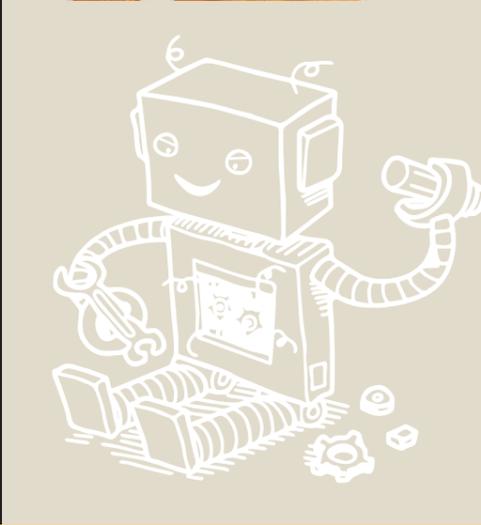
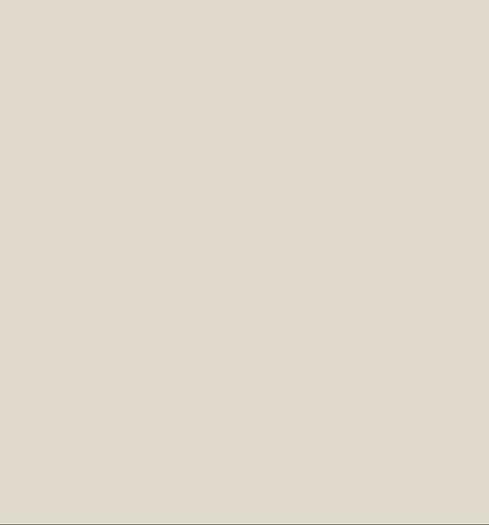
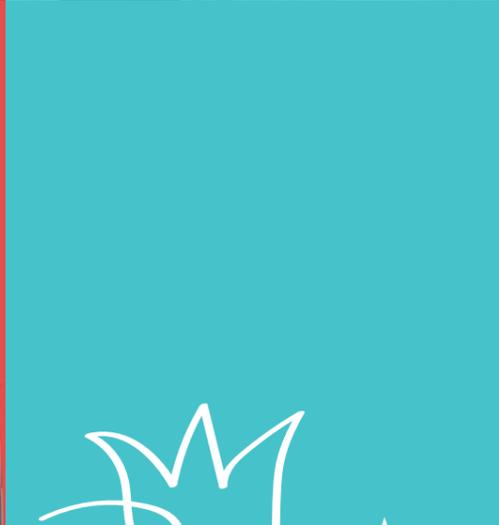
SINGAPORE MARITIME ACADEMY (SMA)

Fouth Row (From left to right)

MUHAMMAD AKID DANIAL BIN MASRI
Diploma in Marine Engineering
Yuhua Secondary School

QUEK JUN HUI
Diploma in Maritime Business
Henderson Secondary School

SHIVANANTHAN S/O CHANDERSEKARAN
Diploma in Nautical Studies
St Hilda's Secondary School
(Not in picture)



FEATURES

If you did not catch any of the vibrant exhibitions featuring the hard work and dedication of SP students from various schools, here's where you can get a glimpse of it.



NOODLE 4.0

by See Toh Sum Fei, Muhammad Fayzan Siddiqui, Nursarah Sabrina Binti Roslan, Kabeta Motoki, Lim Pin and Hariharan Pillai S/O Subbramaniam (left to right)

Diploma in Electrical & Electronic Engineering (DEEE)
Graduate of Hua Yi Secondary School, Bukit Merah Secondary School, Macpherson Secondary School, Damai Secondary School, Bowen Secondary School and Yuan Ching Secondary School, respectively

Noodle 4.0 is a food ordering mobile application and automated noodle cooking robot that aims to solve the shortage of food vendors. The app allows users to order and pay for their food while the robot is able to automate the cooking process of noodles.

THE GREATEST SHOWCASE

TRANSFORMING KOLAM AYER ABC WATERFRONT AREA

by Ng Jian Jun
Diploma in Interior Design (DID)
Alumnus of Fuhua Secondary School

To encourage community bonding, Jian Jun designed the Kolam Ayer ABC waterfront area in hopes to infuse nature elements back into the area. He hopes to bring back fishing activities into the community, like how it was back in the day.



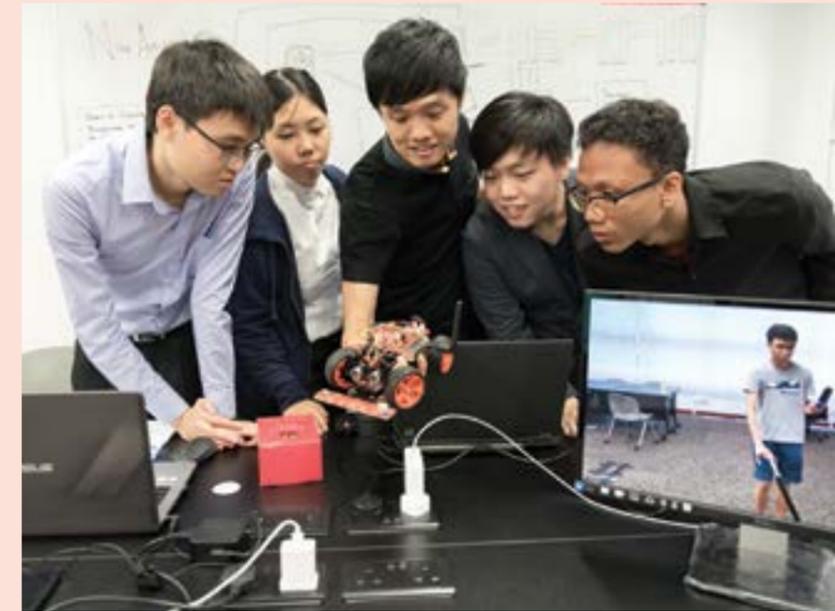
FEATURES

NAVIASSIST

by Thng Wei Jian, Lim Wen Hui, Lum Wee Kiat and Muhammad Rasidi Bin Rahim (left to right, excluding center)

Diploma in Information Technology (DIT)
Graduate of Clementi Town Secondary School, Bukit Batok Secondary School, Bowen Secondary School and Temasek Secondary School, respectively

NaviAssist is a self-navigating indoor robot that uses Bluetooth Proximity beacons to enhance the performance and accuracy of Directie – a mobile application that aids the visually impaired in navigating towards their desired destination. The team hopes to use the Internet of Things to develop various innovations such as a self-navigating and indoor delivery robot.



SKULL & BONES

by Leow Zi Ting
Diploma in Digital Animation
Alumna of Bukit Panjang Government High School

As part of her internship with giant software company, Ubisoft, Zi Ting designed and worked on parts of the cinematic video for the gameplay demo and the game, Skull & Bones. The pirate-themed game has been launched at the E3 Expo in Los Angeles.

THE ROBOT DOG

by Mohamed Umar, Ng Chong Yan and Wong Jun Heng (left to right)

Diploma in Electrical & Electronic Engineering (EEE)
Graduate of Queenstown Secondary School, Teck Whye Secondary School and Swiss Cottage Secondary School, respectively

With a series of sensors and cameras, The Robot Dog aims to engage the elderly and motivate them to move around more as it comes preloaded with a set of exercise routines. It can also help therapists to assess the condition of the elderly and track whether they are doing their rehabilitative exercises correctly.



THE UNTANGLING PROJECT

by Syarifah Nadiyah binte Azman, Ercia Yeo, Callista Anne Yin Kai Ren, Hana Kalysa Binte Taufiq, Sara Tang Shi Ying and Ho Chee Wai, Marwyn

Diploma in Applied Drama & Psychology (DADP)
Graduate of Hua Yi Secondary School, Dunman High School, St Hilda's Secondary School, Mayflower Secondary School, Bishan Park Secondary School and Queenstown Secondary School, respectively

The Untangling Project is an interactive theatre programme that aims to increase the mental health literacy of youths. This programme was designed for the Community Health Assessment Team (CHAT) under the Institute of Mental Health. The interactive nature of the performance allowed discussion and dialogue amongst the audience.

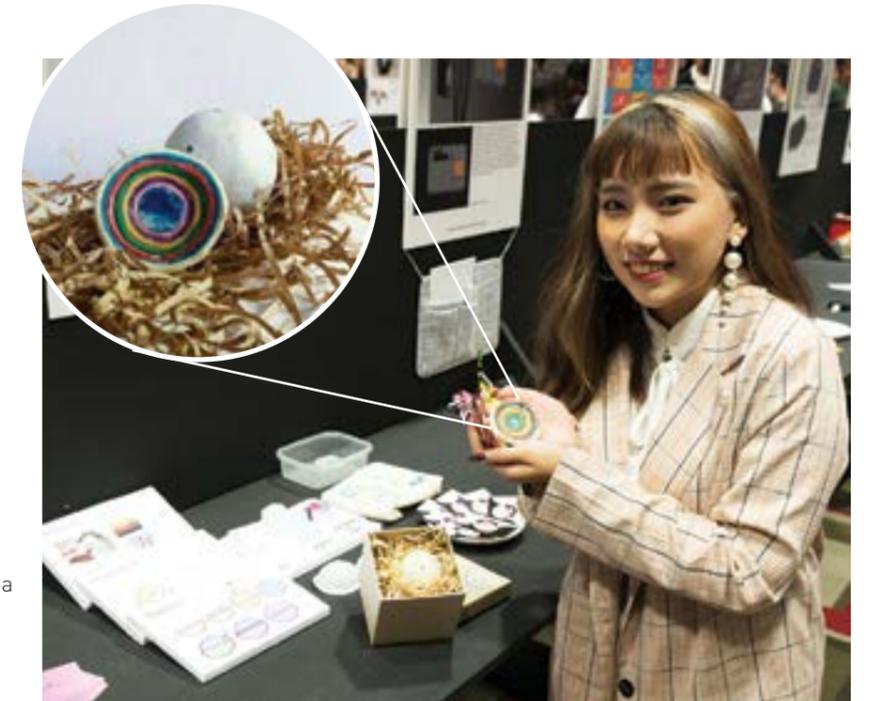


BUBBALL

by Christine Marie Sequerah

Diploma in Experience & Communication Design (DXCD)
Alumna of Bukit Panjang Government High School

With Bubbll, users get to enhance the everyday mundane action of washing their hands as they unveil various layers with each use. This not only sparks joy in a simple way, but provides an experience of using a new soap every week.



FUTURE HOUSING FOR THE SILVER GENERATION

by Yin Pa Pa Soe, Cassandra Low, Goh Zi Jia, Shawn Lim (left to right)

Diploma in Architecture (DARCH)
Graduate of Canberra Secondary School, Tampines Secondary School, Holy Innocents' High School and Yishun Town Secondary School, respectively

As part of their year-long integrated project, these students investigated and defined the future needs of Housing for the Silver Generation through their designs. The aim is to achieve urban living for the aged that is palatable, sustainable and healthy.

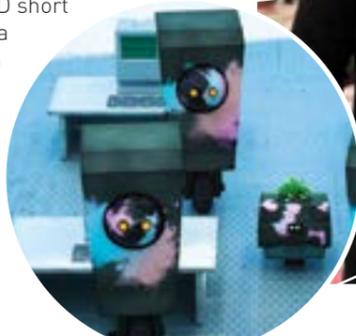


COLORS

by Kobe Tacata and Lim Xun Yi (left to right)

Diploma in Visual Effects & Motion Graphics (DVEMG)
Alumnus of Admiralty Secondary School and Commonwealth Secondary School respectively

Colors showcases how workers are stuck in a monotonous routine before a pop-up advertisement brings life back to the office. The 3D short film aims to serve a reminder that even though a perfect balance between work and personal life is impossible, one should be mindful to not neglect either.



TANUKI NO TABI

by Yuki Tan, Yeong Kao Wai Sheela, Malcolm Wong Chi Kit, Ng Yi Li, Xavier Chin Jia Le and Lee Wei Hao Royce (left to right)

Diploma in Games Design & Development (DGDD)
Graduate of Hougang Secondary School, Shuqun Secondary School, Guanyang Secondary School, Bukit Panjang Government High School, Broadrick Secondary School and Ngee Ann Secondary School, respectively

Tanuki no Tabi is a single player game play that is set in the Japanese fantasy theme from the Edo period. The all-animal characters game follows the main character, a Tanuki – Japanese raccoon dog – as he tries to save his sister, who is kidnapped by the Fox Queen – who rules the country.





#SPEYE-D



After much spying, we round up some of the coolest #ootd shots around campus. Here's where you can take some inspiration the next time you dress for school - You're welcome!



- 1**
Mohammed Arshad
Diploma in Mechanical Engineering (DME)
- 2**
Ellaine Viel C. Garcia
Diploma in Architecture (DARCH)
- 3**
Chrystal Ong Li Yuan
Diploma in Media & Communication (DMC)
- 4**
Left to right:
Ng May Lin and Lucas Tan Shi Hao, both from the Diploma in Human Resource Management with Psychology (DHRMP)
- 5**
Priyanka Sabu
Diploma in Applied Drama & Psychology (DADP)
- 6**
Left to right:
Chan Tong, Tricia, Emily Idora Bte Safaruan and Law Yi Ning, Jeanne, all from the Diploma in Nutrition, Health & Wellness (DNHW)
- 7**
Left to right:
Christy Yeo, Megan Lim, Sharmane Goh, Cassilda T Ng and Hazael Choo, all from the Diploma in Visual Communication & Media Design (DVMD) - Now known as the Diploma in Experience & Communication Design (DXCD)
- 8**
Left to right:
Chan Jing Yi, Lim Shi Qun, Leong Ee Teng and Philberta Ng Shi Mang, all from the Diploma in Integrated Events & Project Management (DEPM)
- 9**
Left to right:
Kief Adam, Jaime Liew, Christy Yeo and Sherwyn Ng, all from the Diploma in Visual Communication & Media Design (DVMD) - Now known as the Diploma in Experience & Communication Design (DXCD)
- 10**
Alex Min Khant Htein
Diploma in Visual Effects & Motion Graphics (DVEMG)
- 11**
Nina Neo
Diploma in Visual Communication & Media Design (DVMD) - Now known as the Diploma in Experience & Communication Design (DXCD)
- 12**
Nur Athirah Bte Supa'at
Diploma in Human Resource Management with Psychology (DHRMP)
- 13**
Left to right:
Isaac Tay Qin Da, Donovan Choo Jun Mun and Tan Ming Jie, all from the Diploma in Tourism and Resort Management (DTRM)

POLY, I CHOOSE YOU

Not sure if a polytechnic education is for you? These students and alumni spill the beans on why they chose SP when they qualified for Junior College, and their evolution since.

NEVER HAD AND NEVER WILL HAVE REGRETS



(Second from right)

Melissa Anne Lim
Diploma in Media & Communication (DMC)

Alumna of CHIJ St Nicholas Girls' School
Currently: Third-year student at SP

It's Singapore's first polytechnic and the course covers a lot of my interests."

This has always been my response to the copious questions on why I chose to enrol in SP's Diploma in Media & Communication (DMC) instead of embarking on a Junior College education (Editor's note: Melissa scored 6 points for her O-levels), and it still stands the same.

In fact, even more.



Coming from a secondary school that focuses heavily on academia, I wasn't relishing the prospect of constantly memorising and regurgitating information. To me, A-levels is only but a more advanced O-levels and at the end of the day, I'd still be doing the same thing.

Back in secondary school, I already knew I was more of a hands-on person and had various interests such as designing, photography and videography – I took on various projects such as championing causes for Citi-YMCA Youth For Causes and participating in N.E.mation! – so I decided to apply to SP's DMC via the Early Admissions Exercise (EAE).

Besides, my dad and two elder sisters – Cheryl Anne Lim; alumna of SP's Diploma in Business Administration; and Clara Anne Lim; alumna of SP's Diploma in Biomedical Science – were previously from SP, and they strongly encouraged me to pursue my polytechnic education here.

"It has a very homely culture, a culture that will help you grow holistically" were their exact words – and I got to witness that.

You see, I was diagnosed with supraventricular tachycardia – a condition which causes abnormal heart rhythms – in secondary one, and have been experiencing attacks which cause palpitations (up to 240 beats per minute), dizzy spells and blurred vision.

Eventually, I underwent Catheter Ablation – a procedure that uses radio frequency energy to cure abnormal heart rhythm by eliminating the abnormal pathway that causes it – in my second year and had to take a week-long break from school – where I missed out on many project meetings and lessons.

But in the midst of it, I saw how supportive my lecturers and friends were. They advised me to take things easy, and willingly helped me catch up. My personal tutor, Ms Chong Li Min, was also conscientiously texting to ensure I was coping well – which I have been very grateful for.

Culture aside, I, too, enjoy the hands-on mode of learning that SP has to offer, which emphasises on building industry-relevant skills through applied learning. This helps pave the way to numerous opportunities into the industry, providing me a head start compared to my A-level peers.

For example, one of my modules – Student Integrated Marketing Communication Agency – required my classmates and I to work in The Agency – a first-of-its-kind physical space that simulates the workings of a real integrated marketing communications agency – where we ideate, conceptualise and execute a campaign for a real-world client.

We pitched to an agency partner – who did campaigns for 4Fingers – and came up with a prototype – titled #caughtredhanded – to help the brand increase in-store traffic and brand awareness.

All in all, I'm excited for what's to come in my third year, where I'll embark on my final year project and internship. It has been such an incredible journey that I've never once looked back at my decision to enrol in SP.

Divesh s/o Singaraju
Diploma in Aeronautical Engineering (DARE)
Alumnus of Commonwealth Secondary School
Currently: Working at Singapore Airlines



RISING ABOVE ALL ODDS

When I was 17, I stepped into the cockpit of a SilkAir aircraft, a strictly no-entry zone for most people. But that was an exclusive opportunity granted to me by the Make-A-Wish Foundation, which aims to grant the wishes of children with life-threatening medical conditions to enrich them with hope, strength and joy. Yes, I was a cancer victim.

My love for travelling and flying – or anything to do with aerospace – influenced my desire to pursue an aeronautical-related course after my O-levels. Though I qualified for junior college, I chose the poly route because I knew what my passion was.

I secured a place in my top choice, SP's Diploma in Aeronautical Engineering (DARE), but had to postpone attending school because my cancer cells resurfaced.

Luckily, I embarked on my SP journey a year later and maximised my time there. I worked hard on my modules and actively participated in various co-curricular activities (CCAs). On top of being a class leader, I was also an organising member of the SP Engineering Show 2013 and the Youth Model ASEAN Conference. I, too, tried my hand at being a photographer by shooting for SPirit, the campus magazine you're reading right now.

SP also provided me with many opportunities, such as the time when I went through a six-week industrial training programme at an aeronautical company in China, and participated in a leadership camp in Indonesia as part of the SP Outstanding Talent Programme.

I also did community service by teaching English and helping a needy family build a home in Cambodia. My final-year-project, which was an intermesh

unmanned aerial vehicle, was even showcased at the Singapore Aviation Open House 2013.

I graduated from SP in 2014 and went on to further my studies in Aeronautical Engineering at the prestigious Imperial College London with a SIA-SINDA scholarship (Editor's note: Divesh graduated from Imperial College London with first class honours).

I'm now 26 and working at Singapore Airlines. Looking back, everything from fun times with friends to developing various skill sets, was only possible because SP provided me an all-rounded experience that enabled me to pursue my dreams!

During his time in SP, Divesh was conferred the following awards: Lee Kuan Yew Award, SIA Engineering Gold Medal, Alfred Robert Edis Prize, Matcor Merit Award, OCBC Prize, The Institution of Engineers Gold Medal Award.



A POLYTECHNIC EDUCATION COULD BE YOUR TICKET TO A UNIVERSITY

“ Since young, I have always wanted to make a difference in the life of others and I feel that a career in the medical sector would help me achieve that. I worked hard on my studies because I knew that I would eventually want to pursue a degree in Pharmaceutical Engineering in university.

After my A-levels, I entered SP through the Direct Admissions Exercise (DAE). I eventually decided on SP’s Diploma in Chemical Engineering (DCHE) as I heard from family and friends that SP is reputed for its established engineering courses.

I like that my course is versatile, which will allow me to have diverse career paths in future. My favourite module so far would be ‘Lab and Process Skills’ as it offers a more hands-on approach towards learning, and I am able to apply concepts acquired from other modules during the practical sessions.

Having experienced education in a Junior College, life in SP definitely gave me a different perspective on achieving my dreams in the medical sector. This is in line with what my mother once said: “There are many pathways to university and the polytechnic route is one that will also allow you to achieve that success.”

Polytechnic education is not as easy as I initially thought it would be, but being in SP has taught me self-discipline and time management – especially the juggling between my studies and co-curricular activities (CCAs).

I am currently a member in the SP’s Hockey team and SP’s Malay Language Society (SPMLS). Having two CCAs is not an easy feat, but I do not regret my decision as I got to meet

and interact with many new people. Each CCA also teaches me different skills.

The approach to learning in poly is also a lot more hands-on, which helps me understand certain concepts that might be harder to grasp. Each individual has his or her own approach to learning, but personally I feel that a polytechnic education is more suited for me. I want to continue improving myself, in terms of character and leadership development in my CCAs. I also hope to explore more about my course, and find out what other doors it might open for me in future.”



Noorhana Ameera Binte Norzaim

Diploma in Chemical Engineering (DCHE)

Alumna of Crescent Girls’ School and Victoria Junior College

Currently: Second-year student at SP



AN INTERNSHIP STINT AT A HOSPITAL CHANGED HIS LIFE FOREVER

“ While I could have easily enrolled in a reputable junior college (JC) (Editor’s note: Yu Wah scored 6 points for his O-levels), the fear of the possibility of not doing well for A-Levels worried me. Thus I decided that a polytechnic education would be more suitable.

I was considering various options when I heard about SP’s Diploma in Biomedical Science (DBS) and how it is one of the best science courses in Singapore. After much research and a visit to SP’s Open House, I decided to apply for the course.

DBS was a very good fit for me. I have a deep interest in Science – Biology to be specific – and the course fulfilled my curiosity for the subject. It provided me with foundational knowledge about Health Sciences, which proved to be useful in many aspects of my life – I understood my body better and I could use it to help others.

I also assumed the role of Vice-President for my course and often organised health screening events for the public. Outside of my course, I was an active member of the SP Canoeing Club. Canoe training kept me busy and I made a lot of friends in the process. One of my fondest memory in school was when our team won the POL-ITE championship for Canoeing in 2013. We even defended our title in the following year!

In my second year, I did a three-month internship stint with Murdoch Children’s Research Institute at the Royal Children’s Hospital in Melbourne. My role was to assist research doctors in an international study on allergies. Although I spent most of my time in the lab, the role also allowed me to observe how the doctors interacted with patients, both in and outside the ward, and I was moved by the bond that was forged. That was when something clicked in me, and I started to consider the possibility of Medicine as a career.

Thankfully, my GPA (of 3.92) and CCA portfolio qualified me for a spot in the National University of Singapore (NUS) Yong Loo Lin School of Medicine.

It is definitely not an easy transition but I am glad SP prepared me well enough for it.

Looking back now, I am really thankful for the opportunities provided by SP. Every step I took was meaningful and it guided me towards my dream of becoming a healthcare professional.”



Foo Yu Wah

Diploma in Biomedical Science (DBS)

Alumnus of Ahmad Ibrahim Secondary School

Currently: Third-year student at NUS Yong Loo Lin School of Medicine



OUT OF THIS WORLD!

Whether it is for internships - where students contribute their expertise to companies and institutions; Learning Express (LeX) Programmes - where students help solve a social issue; or a school trip - where students conducted research for projects - SP offers a myriad of overseas opportunities for students to explore and learn.

Phoebe Tan Kit

Diploma in Interior Design

...

Alumna of Paya Lebar Methodist Girls' School

MALAYSIA

A week-long trip to Malacca allowed Phoebe to visit traditional shop houses that were uncommon in Singapore. It was an annual compulsory trip for all design students. Over there, she explored places and collected research for her group project. "It was nice to discover new spaces and experiencing another culture gave me new perspectives and inspirations for my designs," shares Phoebe.



Bevlyn Tan Yi Qian

Diploma in Food Science & Technology

...

Alumna of CHIJ St Theresa's Convent

SWITZERLAND

A three-month internship stint in Switzerland exposed Bevlyn to the production processes of food products such as olive oil, chocolate and breakfast cereals. She was attached to Zurich University of Applied Sciences and carried out sensory evaluations on food products. "I discovered how sensory evaluation could determine a product's attractiveness to consumers" says Bevlyn. "It was an eye-opening experience!"



Marcus Benedict Neo

(Right)

Diploma in Mechanical Engineering

...

Alumnus of St. Gabriel's Secondary School

INDONESIA

During the 11-day trip to Makassar, Indonesia, Marcus worked with students from Muhammadiyah University of Makassar (UNISMUH) and Kanazawa Institute of Technology (KIT). At the Mandalle Village, they interviewed locals and came up with a prototype to help them efficiently cut bamboos after harvesting. These bamboo slices are then used to make fences, chicken coops and are the main source of income for the locals. "This LeX trip has not only exposed me to a different culture but has also made me more appreciative of what we have in Singapore," he shares.



Tan ZiYi, Michelle Wong, Ong Yu Qi, Ting Wai Yin

Diploma in Visual Effects & Motion Graphics and Diploma in Integrated Events & Project Management

...

Alumna of Bukit Batok Secondary School, Dunearn Secondary School, Commonwealth Secondary School and Bukit Batok Secondary School, respectively

UNITED STATES OF AMERICA

Having won the six-month long Singapore MICE (Meetings, Incentives, Conventions and Exhibitions) Challenge 2018, students from the Diploma in Visual Effects & Motion Graphics and the Diploma in Integrated Events & Project Management were whisked off to the States to represent Singapore at the Convening Leaders Conference 2019 in Pittsburg, USA. The team presented their event concept, took on interviews with an event magazine and even networked with industry partners from all over the world! "We learnt from the best event planners in the world," explains Glenda. "It was such an amazing experience!"



Wong Guo Wen (far right)

Diploma in Marine Engineering

...

Alumnus of Junyuan Secondary School

JAPAN

Sailing the seas in a different climate sure has its challenges. Guo Wen spent 6 days on-board the training ship, "Oshima Maru", for his experiential learning journey to Japan with students from Oshima National College of Maritime Technology. He shares, "It was during autumn when we were there, and there were strong waters, which is different from the calm waves in Singapore. In school we learnt from stimulations and stationary machinery. Being in an actual ship was a real hands-on experience where I got to learn from the Engineers there how to control the rudder angle, which is crucial for the manoeuvring of ships."



Songkiat Ow Shiyuan

Diploma in Chemical Engineering

...

Alumnus of Clementi Town Secondary School & ITE College East

PHILIPPINES

Together with a team of students, Songkiat spent two weeks in Cagayan De Oro, Philippines to create sustainable solutions for business owners living in a rural village. Along with students from the University of Science and Technology of Southern Philippines, they interacted with villagers, whom were mostly bamboo and rattan handcrafters, to gather more information before designing the solutions. Songkiat shares, "I had a glimpse of their daily lives, from the struggles they faced and the faith they had. The LeX programme has made me appreciate how fortunate I am to come from an environment that has almost everything."





Marc Wong (second from right)
Diploma in Aeronautical Engineering
•••
Alumnus of St. Patrick's School

CHINA

During his six-week internship at AMECO in Beijing, China, the experience Marc gained extended beyond the workspace. The Aeronautical Engineering student shares, "The trip was amazing and a totally worthwhile experience as I was able to learn from the friendly professionals at AMECO and immerse myself in the Chinese culture at the same time!"



Tan Yan Ling

Diploma in Creative Writing for TV & Media
•••
Alumna of Yishun Town Secondary School

PHILIPPINES

As part of her internship, the Creative Writing for TV & New Media student, Yan Ling cruised through the streets of Manila, Philippines. For almost three weeks, she took on the role of a behind-the-scenes producer and was in charge of capturing marketing and production stills for History Channel's 'Ride N' Seek: Season 6'! "As I had to work in a foreign country with a foreign crew, I had to get out of my comfort zone and adapt efficiently!" she recalls.



Tan Ler Ying

Diploma in Food Science & Technology
•••

Alumna of Chung Cheng High School (Yishun)

THAILAND

Unlike most internships where students are either attached to a company or a university, Ler Ying took part in a 5-month Overseas Internship Attachment on the Royal Chitralada Projects, initiated by the King of Thailand! The projects gave Ler Ying the opportunity to work in different food production factories and on various food products. She shares, "I enjoyed making cheeses the most. It was an eye opener to be able to join the factory production line and experience the actual cheese-making process, which is different from learning from books and pictures".



Poh Xin Yi (second from the right)
Diploma in Tourism & Resort Management
•••

Alumna of Evergreen Secondary School



PHILIPPINES

During her 12-day trip to Batangas, Philippines, Xin Yi and her team used design thinking to help villagers at Rosario Village improve their sales of Tocino – a cured meat product native to the Philippines. They customised several marketing plans such as creating a Facebook page to link them up with Batangas State University's Enactus Club, which helps to ensure continuous support for the villagers. The Diploma in Tourism & Resort Management student shares: "My biggest takeaway is to always remain calm, positive and flexible when I face any challenges, which allows me to see the bigger picture."

Kien Sieng Chun Hon (far right)
Diploma in Business Administration
•••

Alumnus of Geylang Methodist School (Secondary) and ITE College Central



VIETNAM

What started out as a social cause to improve the lives of farmers in Vietnam – through reducing the disposal of excess fresh cow's milk from Cu Chi Village in Ho Chi Minh, Vietnam – resulted in the production of Faire's all-natural soap. It was initially a LeX project before it was passed down to Kien and his three teammates to market and commercialise the idea. But the team wanted to gear it towards the artisanal route, so they worked with university students from Vietnam to re-formulate the soap bars, and are proud owners of these beautiful soaps today! The Diploma in Business Administration (DBA) student quips: "Being able to start a business in an educational platform has provided me with the necessary space, tools and help I need to cultivate an entrepreneurial mind, and in my case, it was to turn words into plans and plans into actions."



Mezzo Zhang Zhiqi
Diploma in Food Science & Technology
•••

Alumna of Juying Secondary School



CANADA

Not only did this Diploma in Food Science & Technology (DFST) student get to explore Movieland, Niagara Falls in Canada during her free time, she also got to work on a research and development project during her three-month internship at the University of Guelph, Canada. There, she was attached to a cereal lab and learned how to improve the emulsifying properties of different food ingredients. "It was truly an eye-opening experience! I had lots of hands-on opportunities, and I am really glad to have ventured out of my comfort zone," she shares.

COOL KIDS ON THE BLOCK

A Diploma cert is for sure but what makes you different from the rest? Hear the stories of how our graduating students transformed their passion into something bigger during their time in SP!



HE RELEASED A SONG TITLED: "RAINCOAT"

KIERON LEE

Diploma in Music & Audio Technology (DMAT)
Alumnus of Hwa Chong Institution

Q Why DMAT?
A I was looking for a different environment from the IP Programme I was previously in, so I decided to visit SP's Open house. Since young, music has been my form of escape and it didn't take much convincing for me to join DMAT. I was really drawn to its modules which allowed me to delve further into music production, composition and performance of modern styles of music – a fresh perspective to my understanding of music.

Q What do you love most about DMAT?
A The collaboration between students. It's refreshing to be in an environment where everyone is passionate about creating new works. And it's even better when these collaborations turn into something that we are all proud of.

Q What is something different that you embarked on?
A Film has always been an interest of mine and when I joined the SP Videography Club, I got opportunities to embark on film projects. While working on these projects, I realised that I enjoyed the process of sound editing and sound designing. I even see myself pursuing this as a career in the future.

Q You released a song? Tell me more about it!
A Yeah, I recently released a song titled "Raincoat" which is available on Spotify and Apple Music.

I sought inspiration from my favourite collection of Indie Pop songs, and worked on the arrangement. When I was finally satisfied, I decided to rope my close friend and classmate, Chloe, into the production process. We worked on the lyrics and the melody together. We're both really proud of the final product and we're glad that so many people enjoy listening to it!



SYAHMINA ABYANA

Diploma in Media & Communication (DMC)
Alumna of Singapore Chinese Girls' School

Q Tell me more about yourself!
A I'm currently a graduating student from the Diploma in Media & Communication, and I have synesthesia which is a neurological condition which explains why I see numbers and alphabets in colour (this is an example of how I see things). Another fun fact is that I run a business @syalamsis, on Instagram!

Q Interesting! Can you tell me about your Instagram business?
A The idea for Syalamsis came about in late 2017. My sister and I are design enthusiasts and saw the growing market for personalised design commissions so we just took the ball and ran with it. To me, the whole thing is like an experiment that's bringing us many new opportunities.

Q Was there anything you learnt in school that was useful in running Syalamsis?
A After going through a design module, that was part of my curriculum, I was inspired to pick it up and learn more during my free time. I love the vastness of my course. As someone who gets bored very easily, I appreciate the exposure to various aspects of the media industry! Not to forget, my internship with a global advertising agency like TBWA, taught me how to better manage future projects and clients.

Q What are some things that you've learnt from managing an online business?
A One of the biggest projects we worked on was illustrating a children's book for local influencers. Our lack of experience taught us many invaluable lessons about work ethic, deadlines, the industry and even ourselves. My perception towards design has changed and I'm glad I got to challenge myself and develop a style unique to me.



SHE HAS SYNESTHESIA – A CONDITION WHERE SHE SEES NUMBERS AND ALPHABETS IN COLOURS – BUT RUNS A BUSINESS IN DESIGN.

BRYAN TAN

Diploma in Chemical Engineering (DCHE)
Alumnus of Unity Secondary School

Q Tell me more about yourself!
A Before SP, I pursued Chemical Technology in ITE (college east) and graduated as valedictorian in 2016! Now, I'm a graduating student from the Diploma in Chemical Engineering. In SP, I'm a member of four CCAs and president of three of them. Outside of SP, I do different kinds of community work.

Q What kind of activities?
A I volunteer with the Youth Executive Community Branch at the People's Association and the Resident Committee. I organise get-togethers for youths and engage with residents in my area. Being active in four CCAs has taught me the importance of juggling responsibilities while learning new things. And I was empowered to pick up more skills such as hypnotherapy to help people!

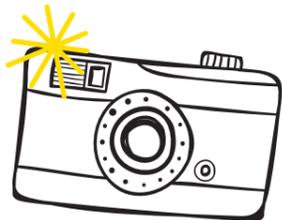
Q Cool! How did you get into hypnotherapy?
A After being intrigued by it, I attended the course and am now a licensed hypnotherapist. Hypnotherapy is to conduct therapy through hypnosis. It's a useful self-development tool that I use to help my community.

Q Apart from hypnotherapy, you also hold prominent roles in your CCAs and the community. Why?
A I'm a firm believer of "doing as much as you can while we're still young."
Aside from my CCAs and community involvement, I also hold jobs outside school – a life guard on the weekends and a camp instructor during school holidays.
As long as I manage my time, it's ok that I'm busy all the time because, in the end, they're all my achievements!



JACK OF ALL TRADES!

DID SOMEONE SAY



Graduation is a one in a lifetime affair and here's how you can keep those memories alive - by going on trips and taking brilliant pictures with (or without) your squad.

GRAD TRIP?



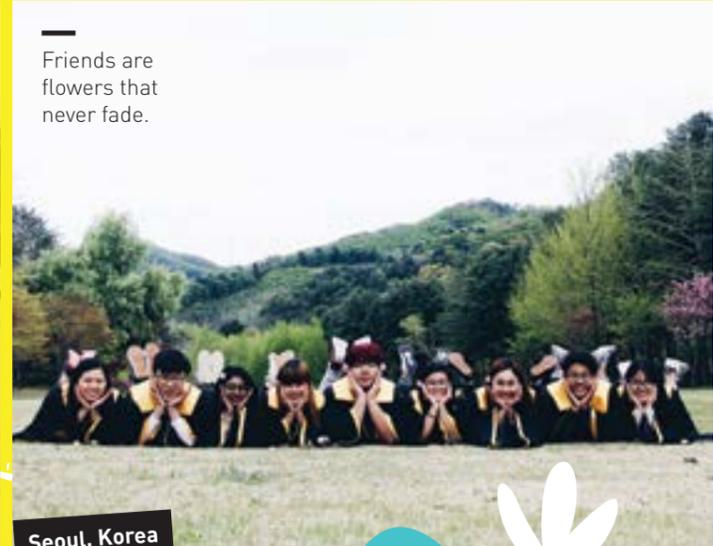
LIFESTYLE

Embracing what's to come with open arms.



Melbourne, Australia

Friends are flowers that never fade.



Seoul, Korea

May reaching out for one's goal be like this.

Langkawi, Malaysia

LIFESTYLE



As they say, good times pass by quickly. Vroom.



Wakayama, Japan

Is it a bird? Is it a plane? No, it's just a super bright future ahead!



Taipei, Taiwan

The evident evolution.



Boracay, Philippines

Don't let challenges stop you from reaching your goals!



Sichuan, China

A new season in life? Keep calm and carry on!



Bangkok, Thailand



WHERE ARE THEY NOW?

Ever wondered what some of our alumni are up to ever since they graduated? Here, we speak with them to find out how SP was, and continues to be the springboard for their shining future.



MOHAMED NAJULAH
Diploma in Business Information Technology (DBIT) (Class of 2017)
Alumnus of Queensway Secondary School

Currently: Pursuing a degree in Information Systems at the Singapore Management University

Q Tell us more about your background.

A I was born with brittle bone disease, and have been moving around in a wheelchair after a bad fall in Primary Five. By the time I was in Secondary Four, I had already undergone several operations to either strengthen my bones or fix my injuries due to falls. Despite these challenges, I've always wanted to contribute to the community as much as an able-bodied person could. Therefore, after my N-levels, I enrolled in SP's Diploma in Business Information Technology (DBIT) via the Polytechnic Foundation Programme (PFP) as I wanted to explore how Information Technology (IT) could be used to help others.

Q What was your experience in SP like?

A During my time in SP, I was given many opportunities to advance my potential. I took part in competitions such as the Data-Driven Innovation Challenge organised by the Info-communications Media Development Authority and the Transport and Youth Hackathon organised by the Land Transport Authority. In both competitions, my team and I developed "Happy Wheel" – an app that tapped on publicly available data to suggest wheelchair-friendly paths to various locations. We were even lauded by Prime Minister Lee Hsien Loong in his Facebook post!

Q Wow, what an achievement! What is your biggest takeaway?

A It was learning to be independent and not let the fear of losing employability get to me. Also, as a polytechnic education doesn't "spoon-feed" you content, you'd always have to source and research for information on your own, and that, taught me how to survive in the tech industry as well.

Q What do you know and where do you see yourself five years from now?

A After graduating from University (which will be in two years), I see myself working in a bank or a software company. I would like to learn about the business, utilise my skills to aid the company and expand on my working experience before moving ahead to greater plans in the future!



MARK KOH

Diploma in Nautical Studies (DNS) (Class of 2012)
Alumnus of St. Patrick's School

Currently: 2nd Officer at Royal Caribbean International

Q Have you always wanted to pursue a career in sailing?

A When I was in Secondary 5, my classmates and I took part in a one-week attachment with SP's Singapore Maritime Academy (SMA). We learnt about the three SMA courses and tried hands-on learning. That was when I discovered the importance of maritime in Singapore. Knowing that it will be a good industry to get into, I decided then that I want to sail the seas as a career. So, I chose SP's Diploma in Nautical Studies and the rest is history!

Q How has your time in SP helped you in your course of work today?

A Besides providing me with nautical knowledge in the classroom, SP also allowed me the opportunity to be attached to a ship for 12 months during my second year in Poly. I learnt a lot through 'on-the-job trainings' onboard the ship.

Q How do you overcome constantly being away at sea?

A It was tough when I was away at sea during my poly days, but I've come to terms with it. Now it's just part of the job. I'll be at sea for three months, and back home for another three months. It has become the norm for my family to the point they don't even send me off anymore! Of course I do get home sick sometimes, but I'm so busy on board that I don't get to think about it. There's Wifi even when I'm at sea, so I'm always in contact with family and friends anyway.

Q You've been sailing the seas with Royal Caribbean for almost 5 years now, so what's next?

A My plan is to come back to SP to upgrade my licence, while still holding my position with the company. Currently I have a Certificate of Competency Class 3, which I obtained upon graduating from poly. My plans would be to complete the certification for Class 1 and 2 and my ultimate goal is to get promoted to the rank of Captain. The good thing about SMA is that even after you've graduated, sailed the seas and continents, you'd still make your way back!



MACUS HOH

Diploma in Architecture (DARCH) (Class of 2008)
Alumnus of Tampines Secondary School

Currently: Co-founder of Variation Design LLC at Chicago, USA

Q Starting a firm overseas is a big feat! How did you achieve it?

A I have always wanted to be an entrepreneur. I had interest in Architecture and I wanted to set up my own firm. My SP lecturers would share about their industry experiences and I always thought about how I can make it big in the industry. After graduating from SP, I did an internship with an architecture firm in Beijing for four months before pursuing an Architecture degree at the Royal Melbourne Institute of Technology in Australia. These experiences along the way equipped me with more skills and confidence. Finally at 30, together with a partner, I founded Variation Design LLC. We met with a lot of challenges, such as legal processes and the sustainability of the business. Thankfully, with the advice given by my SP lecturers, I was able to tackle them.

Q How has SP helped to get you to where you are today?

A SP played a big part for my career today. The technical knowledge and skills taught in school are very relevant for the industry. The course has a project-based curriculum and we had a lot of opportunities to perform hands-on work. It was a bit daunting in my first year because we had to learn complex Architectural content and concepts. Thankfully, the lecturers used a lot of visuals to explain and it helped me understand better. The lecturers have always been good mentors; I still go to them for advice today. They give me suggestions on revenue channels and the kind of projects to undertake.

Q Where do you see yourself in a few years?

A My firm currently specialises in small-scale commercial and residential projects. Moving forward, I would like to explore collaborations with technology companies to develop innovative designs. Technology is the way to go!

Q How did you know you wanted to become an aerospace engineer?

A I was first intrigued by aircrafts when I read a "How Things Work" book when I was younger. But I never thought of joining the aviation industry until I tagged along with my elder brother to SP's open house when I was in Secondary Two. What caught my attention was the tour of the Aero labs and seeing the airplanes and engines in the school. That intrigued me and I wanted to learn more about Aero Engineering, and that was when I discovered my passion to become an aerospace engineer.

Q Cool! Why did you choose SP?

A SP's inventory of actual engines and aircrafts in its facilities allows the incorporation of practical learning into lessons and better understanding of the subject. Additionally, SP is known for its prestige in producing competent engineers over the past decades. The establishment of a well-rounded education gave me the confidence to pick SP.

Q What did you do after SP?

A After SP, I graduated with a Mechanical Engineering Degree from the National University of Singapore. Then, I joined Pratt & Whitney as an engineering associate in the first cohort of the Engineering Graduate Programme. The rotational program allowed me to gain exposure by experiencing different engineering roles over a span of two years. I have since settled in the engine maintenance, repair and overhaul center and am working as a senior technical services engineer now.

Q What advice do you have for juniors who want to pursue a career similar to yours?

A To gain as much exposure from the industry as possible through programmes, internships or aviation events. There's a vast range of careers to choose from in the aviation industry and it is important to understand where your passion lies.

JOYCE TAN LI LING

Diploma in Aeronautical Engineering (DARE) (Class of 2013)
Alumna of Yuan Ching Secondary School

Currently: Working as an Engineer at Pratt & Whitney



DAPHNE YAP LI SING

Diploma in Business Administration (DBA) (Class of 2018)
Alumna of Loyang Secondary School

Currently: Pursuing a degree in Business Management at the Singapore Management University



Q How did your passion for business come about?

A I started working when I was in Primary Six - I would engage with customers and help with the handling of minor business issues - and helped my dad with his business. My aunt also constantly left business and accounting books around and out of curiosity, I started reading them. From then on, I knew I wanted to dabble in the business field so I applied to SP's Diploma in Business Administration via the Direct Polytechnic Admission route (now known as the Early Admissions Exercise).

Q Was your three years in SP what you expected it to be like?

A Yes, and more! Studying in SP was one of the greatest decision I've made in my life. I was given the opportunity to try out various unconventional experiences such as a seven-week Overseas Immersion Programme to the Tri-city - Indonesia, Vietnam and Thailand - and a trip to Panasonic's User Experience Centre in Jakarta, Indonesia. These experiences moulded me to who I am as a person today, and it taught me a lot about independence and communication. Armed with these skills, not only did I land a marketing assistant job with JUMBO group before graduating from SP, but it also prepared me well for the SSG-WSG Joint Undergraduate Scholarship interviews.

Q Congrats on receiving the scholarship! So, what are your plans now?

A Thank you! I'm currently pursuing a degree in Business Management at the Singapore Management University (SMU), and am also driving a community service project on women empowerment with SMU Prinsep Street Residences. As part of the project, we helped various home businesses establish sales channels, and even had the opportunity to explain the project to President Halimah Yacob.

Q What advice do you have for future SP students and your juniors?

A Always remember the right attitude will bring you far in life. Don't forget to bear a heart of gratitude and gratefulness, and be grateful for your lecturers and family who have brought you so far in life. Overall, stay humble but hungry, believe in hard work and remember to be grateful!

Q What kindled your love for digital media?

A Since young, I was fascinated by how digital media, especially special effects enabled an endless possibility. I recall asking my lecturers at SP how famous visual effects movies like Star Wars, Star Trek, and Iron Man were created. I was determined to learn more about the software the film industries were working with and my curiosity paid off!

Q How did SP help you develop your passion for digital media?

A SP provided me with basic skills and knowledge in digital media and special effects. On top of that, I also got opportunities to take part in various national competitions, workshops and industry talks to supplement my learning and get a glimpse into the ever-evolving industry.

Q How has your career been so far?

A I've been at LucasFilm for nearly five years and I've had the opportunity to work on many blockbuster films and Rogue One has to be my favourite. I never imagined that I'd work on a spin-off that's related to the original trilogy, and even better yet a 2017 Oscar Nominated film for Best Visual Effects!

Q Cool! What advice do you have for juniors who wish to follow in your footsteps?

A It's not just about being creative, but, also having the technical capabilities that will allow you to be efficient in pushing your creativity further. So always be on the lookout for the next big thing that can improve your craft. Don't lose sight of your dream while trying to find the right specialization or the right company. As long as you have set your goals and are open to continuous learning, you're on the right path.

EUGENE MATTHEW CHEONG

Diploma in Digital Media (now known as Diploma in Visual Effects & Motion Graphics, DVEMG) (Class of 2012)
Alumnus of Fairfield Methodist Secondary School

Currently: Working as a Roto/Paint Artist at LucasFilm



JOSEPH ONG

Diploma in Optometry (Class of 2010)
Alumnus of Anglo-Chinese (Barker) and Anglo-Chinese Junior College

Currently: Working in a private practice at Northeast England



Q Have you always dreamed of becoming an Optometrist?

A It started with my interest in science and healthcare, and my interest in optometry further developed during my time in SP's Diploma in Optometry (DOPT). When I was a student, my involvement in two overseas vision screening outreach trips to Indonesia and India exposed me to the disparity in eyecare services and standards globally. It also showed me the important role optometrists play in primary eyecare. This further stoked my interest and led me to pursue optometry after graduating from SP.

Q How has SP helped in pursuing this career path?

A DOPT provided a basic foundation in optometry both academically and clinically. The soft skills that I attained during various roles and appointments in SP, such as the overseas outreach trips, also played a vital role. We travelled to remote villages to perform vision testing, screen for eye disease, referred patients to hospitals for treatment and observed surgeries being performed. This has helped me adapt to the different environments and overcome challenges faced whilst studying and working in the UK.

Q Congrats on receiving the 2019 Newly-qualified Optometrist of the Year award given by the Association of Optometrist in the UK! So what's next?

A I do not have any specific plans so far, but I'm currently working in a private practice in Northeast England. I wouldn't have come this far if it wasn't for the relationships forged while I was in SP. I made lifelong friends within DOPT, some of whom became my housemates when we were studying in Manchester. I cannot imagine poly and university life without them. I also had the best lecturers in SP, such as Mr Danny Sim, who has always been there for us.

CONTEST TIME!

Treat yourself to a cuppa with this **\$10 STARBUCKS GIFT CARD!**

Simply scan the QR code, answer these simple questions and submit your responses by **30 July 2019**. Don't forget to indicate your name, mobile number and course or secondary school in the form. 20 lucky participants will be contacted by the SPirit team to collect your fancy Starbucks gift cards.

ALL THE BEST!

Q1

How many projects were featured in the greatest showcase pages?

- (A) 5
- (B) 9
- (C) 10

Q2

What is the name of the student who released a song on Spotify and Apple Music?

- (A) Keeron Lee
- (B) Kieron Lee
- (C) Keyron Lee

Q3

Name one of the countries SP students have travelled to as part of their internship, LeX programme or school trip.

Q4

Which film did SP alumnus Eugene Matthew Cheong work on?

- (A) Rogue One
- (B) Rogue Two
- (C) Rogue Three

Q5

Name one of the Institutional Medallists.

