

MAE Alumni Job Opportunity Form**1. Position / Title****Closing date**

Layout Engineer

02 November 2018

2. Duty / Responsibility

- Customize IC Layout for industry's leading-edge high performance, high speed, analog and mixed signal circuits from sub blocks to top-level integrations including:
 - o Working closely with analog IC designers to generate block level floor plan
 - o Understand how interconnect parasitics impact circuit behaviors
 - o Understand critical signal nodes and ways to optimize layout to fine-tune circuit performances
 - o Layout techniques to enable and enhance critical parameters such as power supply rejection, power consumptions, circuit matching, bandwidth extension,...., etc
- Candidate will have the opportunity to work with bleeding edge tools for verification of layout design using state of the art EDA tool/CAD flows (Cadence/Mentor/Synopsys) including DRC/LVS (Design Rule Check/Layout Vs Schematics)/Verification checks. Schematic driven layout, floor planning, chip level routing, design for manufacturing and design rules and connectivity verification a plus.

3. Requirement / Qualification / Experience

- Technical Diploma or Degree in Electrical & Electronics Engineering or equivalent,
- Job internship or previous employment experience in custom IC physical layout design a major plus
- Understanding of fundamental electronics, preferably with integrated circuit (IC) emphasis.
- Experience with programming and scripting. Knowledge of scripting languages like SKILL, PERL, TCL, etc highly desirable.
- Highly motivated, self-driven, curious, and hungry-to-learn
- Good communication, team-oriented attitude and ability to adapt to a diverse cultural and dynamic environment, including working with team members across sites

4. Other(s)

Inphi offers competitive compensation with enriched on-the-job learning/training environment. Compensation: combination of wages, bonus & stock. Excellent comprehensive medical and personal time off benefits.

5. Company information

Name of contact person	Sandy Ng
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