

The interns will be assigned to assist our R&D / IT professionals in the following exciting enabling technology projects.

Software Engineering

Responsibilities:

- Developing software utilities for automation equipment;
- Supporting 3D model visualization software development.

Requirements:

- Year 3 undergraduates from Computer Science / Engineering or relevant disciplines;
- Knowledge on C++ programming in Windows or Linux is required;
- Knowledge on C#, javascript or additional script language is a plus.

Diagnostic & Testing / Digital Electronic / System Engineering / Motion Platform

Responsibilities:

- Participating in test methodology development, test framework development and support; executing test software development cycle to create scalable and optimized test software; providing expertise in managing, planning, constructing and executing system testing; demonstrating the ability to cope with growing complexity and creativity in design by thinking outside the box to determine the best way to test the system;
- Developing and supporting digital controller board (including board design, FPGA firmware development, etc), conducting digital controller board test flow and assisting in test program development;
- Participating in software development on Cloud platform or Motion control platform (embedded system).

Requirements:

- Year 3 undergraduates from Mechanical Engineering / Mechatronics / Automation/ Electronics / Electrical Engineering / EEE / Manufacturing Engineering / Industrial Engineering / Software Engineering / Computer Engineering / Computer Science / Information Engineering / Information Technology / Information Systems or relevant disciplines;
- For Diagnostic & Testing team, it would be an advantage if the candidate possesses
 - Knowledge of C# programming and/or Labview in Microsoft Windows platform
- For System Engineering and Motion Platform team, the candidate should possess
 - Good knowledge of C++ and C# programming in Microsoft Windows platform;
 - Knowledge of database technologies (e.g. MSSQL, MySQL) and web programming (e.g. PHP and JavaScript).

Dispensing System / Mechanical Design / Motion / Sensor / CE Motor

Responsibilities:

- Assisting in mechanical development, test Jig design preparation, prototype measurement and qualification, data collection as well as analysis;
- Participating in electromagnetic sensor development, MCU programming, electronics circuit development, prototype measurement and qualification, data collection and analysis;
- Conducting motion system construction, tuning and evaluation, electronics circuit development, prototype measurement and qualification as well as web page development and maintenance;
- Supporting CE motor projects and mechanical test jig development;
- Supporting optics project and mechanical test jig development (need to go to China Plant once per week);
- Supporting motor project support, mechanical test jig development and CE motor project support (need to go to China Plant once per week).

Requirements:

Year 3 undergraduates from Mechanical Engineering / Mechatronics / Automation / Electronics / Electrical Engineering / Computer Engineering / Applied Physics or relevant disciplines

Computer Vision & Optics

Responsibilities:

- Developing image processing algorithm libraries, training deep learning models, designing convolution neural networks and developing 3D measurement systems;
- Developing high resolution image sensor and its peripherals and diagnostic hardware systems, evaluating advanced image processing platforms, imaging and lighting effects;
- Building GIT based software development workflow, developing graphical and data analysis platform with HTML5 as well as general software modules to improve team operation efficiency;
- Studying diagnostic optical performance, simulating imaging and lighting effects and designing precision optics systems.

Requirements:

Year 3 undergraduates from Automation / Information Technology / Information Systems / Computer Engineering / Computer Science / Electronics / Software Engineering / Mathematics or relevant Engineering disciplines

Electronic Engineering / Control Engineering / Embedded Application Software

Responsibilities:

- Testing, repairing, measurement and development of motion system electronic circuit; with occasional involvement in firmware and test program development;
- Supporting control system tool development and maintenance, tuning control parameters, trouble-shooting and problem solving for motion system;
- Designing and deploying software and firmware for real time embedded control applications; providing technical expertise and solution to semiconductor equipment products and field for deployment of real time embedded controllers developed.

Requirements:

- Year 3 undergraduates from Mechanical Engineering / Electronic Engineering / Computer Engineering or relevant disciplines;
 - For Electronic Engineering team, it would be an advantage if the candidate possesses
 - Project experience on MCU / FPGA / SoC;
 - Project experience on analog or power electronic circuit;
 - Knowledge on motor control, analog electronic or power electronic.
 - For Control Engineering team, the candidate should possess
 - Knowledge in basic control theory (e.g. PID control, frequency domain system identification, etc);
 - Knowledge in Matlab and Simulink;
 - Knowledge in machine learning will be an advantage.
 - For Embedded Application Software team, the candidate is good to have
 - Knowledge in micro-controller, C/C++/C# programming language and control strategy;
 - Knowledge in multi-threading and object-oriented programming is an advantage.

Information and Communications Technology

Responsibilities:

- Developing Web Application, Mobile Application or SharePoint Application; and
- Supporting Business Process Management Development and working in .Net, C# and SQL.

Requirements:

- Year 3 undergraduates from Computer Science or relevant Science disciplines;
- Knowledge in Android/iOS Programming, JQuery Mobile, .Net is a plus.

Internship Period: June 2018 – May 2019 (**one year's full-time employment**)

Upon completion of one year’s contract, the intern will receive a contract bonus equivalent to one month’s basic salary.

Interested parties, please submit your application with cover letter, resume, certificate and transcripts via our career website <https://careers.asmpt.com> (please search “Interns 2018 – 2019 (30+ Openings)”).

You are strongly advised to state your top 3 interests at the top of your CV / resume before submission.

- A. Software Engineering
- B. Diagnostic & Testing / Digital Electronic / System Engineering / Motion Platform
- C. Dispensing System / Mechanical Design / Motion / Sensor / CE Motor
- D. Computer Vision & Optics
- E. Electronic Engineering / Control Engineering / Embedded Application Software
- F. Information and Communications Technology

Your preference will be taken into consideration; however, final assignments will be based on your qualification, competence and vacancy.

Remarks: Our Hiring Managers are going to conduct campus recruitment on the following dates. Feel free to visit us to know more about our opportunities!

Campus Recruitment Schedule

University	Format	Date	Time
The Chinese University of Hong Kong	Booth	Mar 14, 2018 (Wed)	11:00 - 17:00
The Chinese University of Hong Kong	Talk	Mar 02, 2018 (Fri)	15:30 - 16:30
The City University of Hong Kong	Talk	Mar 07, 2018 (Wed)	15:30 - 16:30
The Hong Kong Polytechnic University	Talk	Mar 27, 2018 (Tue)	12:45 – 14:15
The Hong Kong Polytechnic University	Booth	Mar 23, 2018 (Fri)	11:00 - 18:00
The Hong Kong University of Science and Technology	Talk	Feb 21, 2018 (Wed)	14:30 – 15:30

The Hong Kong University of Science and Technology	Booth	Mar 16, 2018 (Fri)	12:00 – 17:00
The University of Hong Kong	Booth	Feb 02, 2018 (Fri)	12:00 – 17:00
The University of Hong Kong	Talk	Feb 02, 2018 (Fri)	15:30 – 16:15



ASM Pacific Technology Limited ("ASMPT") (HKG: 0522), as a global technology and market leader, develops and provides leading edge solutions and materials for semiconductor assembly and packaging industries, as well as surface mount technology solutions in a wide range of end-user markets including electronics, mobile communications, automotive, industrial, LED and solar energy.

As one of the key R&D centres of ASMPT, ASM Technology Hong Kong Limited constantly inspires and nurtures high potential talent from all backgrounds to pursue breakthroughs in manufacturing technology, provide best-in-class solutions for customers as well as realize their ambitions. We always welcome talent who share our vision "Enabling the Digital World".

This year we have 30+ internship vacancies which our interns can explore different enabling technology projects.



- Software Engineering



- Computer Vision & Optics



- Diagnostic & Testing / Digital Electronic / System Engineering / Motion Platform



- Information and Communications Technology



- Dispensing System / Mechanical Design / Motion / Sensor / CE Motor



- Electronic Engineering / Control Engineering / Embedded Application Software

We welcome Year 3 undergraduates from Engineering and Sciences, including Applied Physics / Automation / Computer Engineering / Computer Science / Electrical Engineering / Electronic Engineering / EEE / Industrial Engineering / Information Engineering / Information Systems / Information Technology / Manufacturing Engineering / Mathematics / Mechanical Engineering / Mechatronics / Software Engineering or relevant disciplines.

Interested parties, please submit your application with cover letter, resume, certificate and transcripts via our career website <https://careers.asmpt.com>. (please search "Interns 2018 – 2019 (30+ Openings)")

We will join the forthcoming campus recruitment.

Feel free to visit us to know more about our opportunities!

