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](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**

<table>
<thead>
<tr>
<th>University</th>
<th>Format</th>
<th>Date</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>The Chinese University of Hong Kong</td>
<td>Booth</td>
<td>Mar 14, 2018 (Wed)</td>
<td>11:00 - 17:00</td>
</tr>
<tr>
<td>The Chinese University of Hong Kong</td>
<td>Talk</td>
<td>Mar 02, 2018 (Fri)</td>
<td>15:30 - 16:30</td>
</tr>
<tr>
<td>The City University of Hong Kong</td>
<td>Talk</td>
<td>Mar 07, 2018 (Wed)</td>
<td>15:30 - 16:30</td>
</tr>
<tr>
<td>The Hong Kong Polytechnic University</td>
<td>Talk</td>
<td>Mar 27, 2018 (Tue)</td>
<td>12:45 – 14:15</td>
</tr>
<tr>
<td>The Hong Kong Polytechnic University</td>
<td>Booth</td>
<td>Mar 23, 2018 (Fri)</td>
<td>11:00 - 18:00</td>
</tr>
<tr>
<td>The Hong Kong University of Science and Technology</td>
<td>Talk</td>
<td>Feb 21, 2018 (Wed)</td>
<td>14:30 – 15:30</td>
</tr>
<tr>
<td>Event</td>
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<tr>
<td>The Hong Kong University of Science and Technology</td>
<td>Booth</td>
<td>Mar 16, 2018 (Fri)</td>
<td>12:00 – 17:00</td>
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<tr>
<td>The University of Hong Kong</td>
<td>Booth</td>
<td>Feb 02, 2018 (Fri)</td>
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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!