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

A. **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.

B. **Diagnostic & Testing / Digital Electronic / System Engineering / Motion Platform**

**Responsibilities:**

- Participating in test methodology development, test framework development and support, database management and application as well as developing web based tool;
- 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;
- Executing complete software development lifecycle to create scalable and optimized (embedded) software systems (e.g. Cloud platform, Motion Control Platform).

**Requirements:**

- Year 3 undergraduates from Electronics / EEE / Software Engineering / Computer Engineering / Computer Science / Information Engineering / Information Technology / Information Systems or relevant disciplines
• For System Engineering and Motion Platform, the candidate should possess
  o Good knowledge of C++ and C# programming in Microsoft Windows platform
  o Knowledge of database technologies (e.g. MSSQL, MySQL) and web programming (e.g. PHP and JavaScript)

C. Dispensing System / Thermal / Mechanical Design / Motion / Sensor / CE Motor

Responsibilities:

• Undertaking mechanical design tasks related to epoxy dispensing design, conducting dispensing process study and trouble-shooting;

• Taking part in thermal design, calculation, modeling, carrying out thermal experiments as well as mechanical design tasks related to thermal designs;

• Designing mechanical and mechatronic system, preparing prototype for measurement and qualification, performing vibration measurement and analysis as well as providing customer field support and manufacturing support in China;

• 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 (may need to go to China Plant once per week).

Requirements:

Year 3 undergraduates from Mechanical Engineering / Mechatronics / Automation / Electronics / Electrical Engineering / Computer Engineering / Manufacturing Engineering / Industrial Engineering / Applied Physics or relevant disciplines
D. **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 Science / Electronics / Software Engineering / Mathematics or relevant Engineering disciplines

E. **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 low level 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;
- Project experience on electronic system, knowledge on C / C++ / VHDL / Verilog is an asset;
- Project experience on motion control system, knowledge on C / C++ / Matlab is also an advantage;
- For Embedded Application Software, the candidate should possess
  - Knowledge on micro-controller, C/C++ programming language, real time operating system and control strategy;
  - Knowledge in multi-threading and object-oriented programming is an advantage.

F. **Management Information System**

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 2017 – May 2018 (**one year’s full-time service**) 

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


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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 / Thermal / Mechanical Design / Motion / Sensor / CE Motor

D. Computer Vision & Optics

E. Electronic Engineering / Control Engineering / Embedded Application Software

F. Management Information System

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>
</tr>
</thead>
<tbody>
<tr>
<td>The Chinese University of Hong Kong</td>
<td>Booth</td>
<td>Feb 07, 2017 (Tue)</td>
<td>11:00 - 17:00</td>
</tr>
<tr>
<td>The Chinese University of Hong Kong</td>
<td>Talk</td>
<td>Feb 10, 2017 (Fri)</td>
<td>15:30 - 16:30</td>
</tr>
<tr>
<td>The City University of Hong Kong</td>
<td>Talk</td>
<td>Mar 02, 2017 (Thu)</td>
<td>15:30 - 17:00</td>
</tr>
<tr>
<td>The City University of Hong Kong</td>
<td>Booth</td>
<td>Mid-April</td>
<td>TBC</td>
</tr>
<tr>
<td>The Hong Kong Polytechnic University</td>
<td>Talk</td>
<td>Feb 21, 2017 (Tue)</td>
<td>12:45 – 14:15</td>
</tr>
<tr>
<td>The Hong Kong Polytechnic University</td>
<td>Booth</td>
<td>Mar 31, 2017 (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 14, 2017 (Tue)</td>
<td>16:30 – 17:30</td>
</tr>
<tr>
<td>The Hong Kong University of Science and Technology</td>
<td>Booth</td>
<td>Mar 09, 2017 (Thu)</td>
<td>12:00 – 17:00</td>
</tr>
<tr>
<td>The University of Hong Kong</td>
<td>Booth</td>
<td>Jan 26, 2017 (Thu)</td>
<td>12:00 – 17:00</td>
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