About ASM Technology Hong Kong Limited

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. We consistently invest in R&D to provide customers with innovative and cost-efficient solutions that help them achieve higher productivity, greater reliability and enhanced quality. Over the past 40 years, through the dedicated efforts of our high caliber teams, we have successfully established an international marketing network and manufacturing operations in Hong Kong, Germany, Malaysia, Singapore and China (Shenzhen and Huizhou).

Join us if you share our vision **ENABLING THE DIGITAL WORLD** and core values **POWER**:

- **P**assion to be the #1 "Go to Partner"
- **O**wnership of actions and behaviors
- **W**in with our customers
- **E**xcellence in all that we do
- **R**espect for one and all

For more information on ASM and its products and services, please visit www.asmpacific.com

Job Title: (Senior) Computer Vision Engineer

1. **AI Vision**

Responsibilities:

- Conduct research and development in
  - Machine learning
  - Artificial intelligence for image analysis, image understanding and object classification
  - Segmentation for industrial applications
- Adapt advanced computer vision and state-of-the-art deep learning techniques
- Analyze and optimize image understanding performance on diverse industrial data sets
- Design and architect deep learning models for solving challenging image understanding problems
- Implement computationally complex model training and image understanding applications on high-performance embedded computational processing environments

Requirements:

- MPhil/PhD Degree in Computer Science / Electronic Engineering / Information Engineering / Mathematics or relevant disciplines
- Good logical thinking and analytical mind
- Passion for computer vision and machine learning research and development
- Willing to take up challenges
- Research and development experience in machine learning / AI is preferred

2. 3D Imaging Technology

Responsibilities:

- Conduct research and development in
    - Computational imaging technology
    - 3D image reconstruction and analysis
    - Optical metrology
- Develop holographic microscopy technique for kinds of ultra-precision (Nano-level) 2D/3D metrology applications

Requirements:

- MPhil/PhD Degree in Optical Engineering / Information Technology / Computer Engineering / Electronic Engineering / Mathematics or relevant disciplines
- Research experience in computational optics system design or 3D imaging / image reconstruction technology is preferred

3. **Product Development**

Responsibilities:

- Develop product by using computer vision technologies, such as object recognition & classification, and object alignment & gauging
- Apply anomaly detection technologies for machine automation and automatic visual inspection

Requirements:

- Bachelor/MPhil Degree in Computer Science / Computer Engineering / Electronic Engineering / Information Engineering or relevant disciplines
- Proficient in C/C++
- Knowledge in computer vision or image processing will be an advantage
- Knowledge in object / defect detection and segmentation, 3D measurement and video processing will be an asset

Interested parties, please submit your application with resume, certificate, transcripts and/or other references to hk.careers@asmpt.com.

You are strongly advised to state your interest(s) and the order of your preferences at the top of your CV / resume before submission.

1. AI Vision
2. 3D Imaging Technology
3. Product Development

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

Attractive salary and fringe benefits package will be offered to the right candidates. Data collected will be used for recruitment purpose only. Suitable candidates may be referred to other vacancies within our company. Please visit our company website for our company background, products and other useful information. Website: http://www.asmpacific.com/