Dear Students

Below is the JD for the 8 positions. Applicants from NTU could directly send email to fiona@ovt.com or careers.tw@ovt.com if you are interested.

1. Algorithm Development Engineer (voice/audio)
2. Sr. Algorithm Development Engineer (Image Processing)
3. Sr. Algorithm Development Engineer (Machine Vision)
4. Sr. Algorithm Development Engineer (Computational)
5. Algorithm Manager/Sr. Algorithm Development Manager
6. Software Engineer (Mobile and UI)
7. (Sr.) Software Engineer (Cloud)
8. Software Engineer (Web Application)

Algorithm development Engineer --- (voice/audio)
Location: Singapore

Responsibilities:
1. Research and develop voice processing algorithm (echo cancellation, noise reduction and etc.);
2. Develop the algorithm related audio codec;
3. Algorithm testing and verification;

Requirements:
1. Experience in voice and processing and audio;
2. Strong mathematics background and independent algorithm research ability;
3. Excellent programming skills in C/C++ and matlab;
4. Experience in algorithm optimization including software and hardware;
5. Excellent verbal and written communication skills

Sr. Algorithm Development Engineer --- (Image Processing)
Location: Singapore

Overview:
Develop image/video processing algorithms for camera related applications.

Responsibilities:
1. Research new image processing techniques and technologies for digital camera system
2. Expand existing solutions to new levels of functionality, quality, and performance
3. Assist other teams with algorithm implementation, testing, verification
4. Benchmark image quality, tuning

Requirements:
1. Ph.D. or MS with equivalent practical experience in Computer Science or Electrical Engineering.
2. Deep knowledge and experience in still/motion image processing, computer vision and related.
3. Strong mathematics background and independent algorithm research ability.
4. Strong programming skills in C/C++ and matlab; Experienced with Open CV is a plus.
5. Excellent verbal and written communication skills.

Sr. Algorithm Development Engineer  --- (Machine Vision)
Location: Singapore

Overview:
Be responsible to research and develop innovative Computer Vision/Machine Learning algorithms for camera related applications.

Responsibilities:
1. Research, develop and optimize Computer Vision/Machine Learning algorithms for camera related applications, such as advanced driver assistance systems, biometric recognition and 3D reconstruction.
2. Explore, design and implement new algorithms/features according to marketing requirements.
3. Algorithm testing and verification.
4. Algorithm integration in system architecture.

Requirements:
1. Ph.D. or MS with equivalent practical experience in Computer Science or Electrical Engineering or related disciplines such as Applied Mathematics/Statistics.
2. Deep knowledge and experience in object detection/tracking/recognition, stereo, 3D reconstruction and deep learning.
3. Strong mathematics background and track record of independent algorithm research.
4. Strong programming skills in C/C++ and matlab; Experienced with Open CV is a plus.
5. Excellent verbal and written communication skills.

Sr. Algorithm Development Engineer  --- (Computational)
Location: Singapore

Position Overview:
1. Candidate would use computational methods to enable disruptive camera and sensor designs and features.
2. Candidate should have the significant depth of knowledge in the core area of optical imaging, optoelectronic device, computer graphics, geometric and 3D modeling.
3. Your contributions have the opportunity to make a real impact on our products.

Responsibilities:
Primary(80%):
1. Set up the novel hard are prototype of imaging or sensing to capture multi-dimensional data.
2. Develop the core algorithms to process the multi-dimensional data and extract depth and other information targeting applications in consumer photography, machine vision, security, and other related areas.
3. Develop the algorithms about 3D surface/solid modeling, and image-based rendering.
4. Collaborate with other algorithm engineer and software engineer.
5. Drive the productization of HW.

Secondary (20%):
6. Collaborate with external researchers.
7. Publish original research and speak at conferences and events.

Experience & Skill
1. MS/PhD majored in EE, computer graphics, computer engineering, optical engineer, optoelectronics, physics or equivalent.
2. Good coding abilities, proficient in C/C++ and in a rapid prototyping environment such as MATLAB.
3. Good handling ability to design experiment and set up hardware prototype system.
4. Proven track record (products/publications/patents) in computational photography, optoelectronic device, computer graphics.
5. Familiarity with the principles and designs of optoelectronical device is a big plus.
6. Good understanding of digital photography, image quality and stereo vision.
7. Demonstrate great teamwork, outstanding communication skills, and willingness to learn.

(Sr.) Algorithm (Development) Manager
Location: Singapore

Responsibilities:
1.) Plans, provides resources for algorithm development, and directs activities in algorithm development team of engineers to meet schedules, standards.
2.) Has a deep understanding of image/video/audio algorithm development, delivers health metrics for algorithm development, and engineering organization with attention to detail. Cultivates and reinforces appropriate group values, norms and behaviors.
3.) Identifies and analyzes problems, plans, tasks, and solutions. Provides guidance on employee development, performance, and productivity issues.
4.) Plans and schedules daily tasks, uses judgment on a variety of problems requiring deviation from standard practices.

Requirements:
1. EE/CS master or higher degree
2. 6 year minimum image/video algorithm development experience
3. 6 years R&D management experience

Software Engineer (Mobile and UI)
Location: Singapore

Overview:
Be responsible for developing and implementing IOS and Android applications.

Responsibilities:
1. Document application design.
2. Implement UI and function modules in IOS and Android applications.
3. Performs kinds of unit tests and system integration tests.
4. Work closely with server team to define efficient system interaction and message exchange system.

Requirements:
1. Bachelor or MS in Computer Science or Electrical Engineering.
2. 5+ years of software development experience (C/C++/Java/Object C).
3. 2+ years of mobile development experience.
4. Experience with image/video and multimedia processing
5. Strong object-oriented programming skills.
6. Excellent verbal and written communication skills.

Software Engineer (Cloud)
Location: Singapore

Responsibilities:
1. Research new techniques for large scalable cloud system.
2. Develop network and cloud computing applications.
3. Performs kinds of system tests .
4. Work closely with others team to define overall cloud system architecture.

Requirements:
1. MS or PhD in Computer Science or Electrical Engineering.
2. 5+ years of software development experience (C/C++/Java) with strong object-oriented programming (OOP) skills.
4. Experience with image/video and multimedia processing
5. Experience with large scale infrastructure modernization efforts.
6. Good knowledge in large scalable cloud system with hands- on expertise in protocol, security and loading balance.
7. Hands on expertise in RPC framework(such as thrift) and cross platform message framework (such as RabbitMQ).
8. Excellent verbal and written communication skills.
9. Hands on experience in one major cloud service provider of infrastructure and platform (Amazon, Google) is a plus.

Software Engineer (Web Application)
Location: Singapore

Overview:
Be responsible for developing and implementing web based system.
Responsibilities:
1. Write well designed, testable, efficient code by using best software development practices
2. Create site layout/user interface by using standard HTML/CSS practices
3. Integrate data from various back-end services and databases
4. Gather and refine specifications and requirements based on technical needs
5. Create and maintain software documentation
6. Be responsible for maintaining, expanding, and scaling our site
7. Stay plugged into emerging technologies/industry trends and apply them into operations and activities
8. Cooperate with web designers to match visual design intent

Requirements:
1. Bachelor or MS in Computer Science or Electrical Engineering.
2. 3+ years of professional experience as a Software / Systems Engineer using one of below programming languages
3. Web programming languages: HTML5, CSS, and JavaScript, Scripting languages such as Ruby, Python, Perl, or PHP
4. Experience with image/video and multimedia processing plus
5. Java/J2EE programming/environment, application server and database knowledge
6. Experience with web frameworks such as Angular JS, struts2, Spring.
7. Strong communication skills and ability to present to Customer Management / Stakeholders
8. Experience in integrating web solutions with various communications protocols (SOAP, REST, WSDLs, Gateways, APIs, etc.)
9. Experience with end-to-end development, including back-end database layer, WCS, Sterling Order Management (OMS) application server/web server layer and UI layer