

SW Engineer (CAM, Algorithm)

Description

- Architect, design, develop, and optimize software for embedded computer vision system
- Camera sensor functionality and image enhancement software
- Image processing and computer vision algorithm development and qualification
- System modeling, data acquisition, visualization and analysis tasks
- Embedded system performance and functionality verification
- Technical reports and functionality documentation

Qualifications

- Bachelor in Computer Science, Electrical/Electronic Engineering, or related field
- Proficient Programming in C/C++, Python, or Java, under Windows, Linux, Android
- Knowledges in any of digital signal processing, image processing, computer vision (OpenCV, Dlib), computer graphics (OpenGL, Vulkan), and machine learning (PyTorch, TensorFlow)
- Experiences in multi-core/multi-threaded real-time embedded system/product development (system integration and profiling, software optimization, MCU/DSP/GPU acceleration, and troubleshooting)
- Skills for problem solving, effective communication, self-motivation, and open-minded learning

The Vehicle Networking and Information business area, with its vision of “Always On,” sees the vehicle of the future as a partner that supports its passengers with intelligent and secure solutions – seamlessly networked, user-friendly, convenient and smart. The business area develops and integrates components and end-to-end systems for connected mobility – architecture, hardware, software and services. With solutions for networking, human-machine interaction, user experience, high-performance computing, digital services and system integration for passenger cars, light commercial vehicles and fleets, Vehicle Networking and Information ensures stable and safe connectivity and smooth information flows for connected mobility.

Apply now



Keyfacts

Job-ID

190647BR

Function

Engineering

Location

Singapore

Leadership Level

Leading Self