Part Time Positions in Robotics, Vision and Software Engineering

**Availability:** From July 2016 and onwards  
**Contact:** Raaj Yaadhav raaj.yaadhav@tum-create.edu.sg  
**Location:** TUM CREATE, Singapore  
**Duration:** Min 3 month internship (min 5 months if overseas candidate) or min 16hrs per week for part time

**Background**

We have open position in the area of robotics, computer vision, augmented reality and software engineering for distributed robotic systems. The focus will be on developing software architectures and applications for robotic automation projects with the above focuses in mind.

**Objective & tasks**

Successful candidate will be working in a team to primarily integrate software components of a large robotic system that includes an industrial robot, actuating end effectors, vision sensors, high level robot control and intelligent systems. There will be potential to do development in a wide range of these areas. The candidate will also be involved in optimizing the process flow and troubleshooting problems that arise during testing in a resourceful manner.

**Requirements**

- Candidates should at least pursuing a Bachelor’s degree in Computer/Electrical Engineering or Computer Science or other relevant field.
- Relevant experience in 3D development, Computer Vision and Image Processing
- Statistical analysis, State Estimation (Kalman Filters, Particle Filters) and Machine Learning (SVM, Decision Trees, Neural Networks).
- Familiarity with ROS, C/C++, Java, Python, Linux, git, OpenCV, PCL, OpenGL, MATLAB
- GUI and Mobile App Development
- Ability to work independently

**What we offer you**

- An international and multidisciplinary working environment
- Opportunity to work on a project with real-life relevance and state of the art robotic systems

Send your resume/CV to the contact person if interested

**NOTE:** Only shortlisted candidates will be contacted