HUAN-YU TSENG

Contact

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Languages

Chinese - Native
English - Conversant

Summary

Software Engineer developing 3D vision application and 3D camera calibration solution. Well-versed with C/C++. Familiar with Node.js and Python. Strong background in computer vision, 3D vision and 3D camera calibration.

Skill Highlights

Computer Vision, 3D Vision, 3D Camera, C/C++, Node.js, Python

Experience

Software Engineer - 11/2016 to present
Techman Robot, Taoyuan

- Cooperated with partners to develop and maintain vision module in the robot system.
- Developed sub-modules for controlling 3D camera, calibrating 3D camera and modeling objects.
- Designed a new general purpose tool for 3D camera calibration.
- Developed a new calibration solution for integrating 3D cameras and robots to improve performance.
- Developed prototype of 3D viewer widget by OpenGL for displaying point clouds & meshes
- Supported production line in filtering out cameras having potential problems.

Education

Bachelor of Science: **Bio-Industrial Mechatronic Engineering** - 2014
National Taiwan University, Taipei

Master of Science: **Mechanical Engineering** - 2016
National Taiwan University, Taipei