Shih-Chien Yang

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EXPERIENCE

2019-Present GrandTech Cloud Services–Taipei City, Taiwan

Engineer

- Develop and maintain automated billing generation and management system with C# MVC, jQuery and MSSQL
- Develop OA system to automated form generation, and using API to connect AWS and Zendesk

2018-2019 iSSA Technology Co., Ltd – Taoyuan City, Taiwan

Algorithm Engineer

- Embedded system development in Ubuntu - TX2、IPC、Raspberry Pi
- Develop 3D camera application SDK - Using SDK to testing our Stereo、ToF、Structure light Camera.
- Develop 3D face recognition system - Using CNN、DNN training model and KNN classify to develop attendance system to replace traditional system.

2013 – 2016 Taiwan Intellectual Property Office – Taipei City, Taiwan

Patent Assistant

- Performed data analysis and retrieved from database to achieve quality assurance of Patent
- Played key role in reviewing patent filing that figure out main point and technical
- Analyzed Technical core in patent and created specialized search report output for applicant

2009 – 2010 Computer Repair and Maintenance Team, Tamkang University

Engineer

- Installed software, modified and repaired hardware and resolved technical issues

- Identified and solved technical issues with a variety of diagnostic tools
- Resolved problems with malfunctioning products
- Oversaw the daily performance of computer systems
- Trained users in the proper use of hardware or software
- Created manuals for use of hardware or software
- Identified and corrected performance issues
- Ensured proper installation of cables, operating system and software
- Maintained records of daily data communication transactions, problems and remedial actions taken

EDUCATION

2011-2013 **Master of Engineering in Mechanical and Electro-Mechanical Engineer**

Tamkang University – New Taipei City, Taiwan

Develop the application software with C++ to support the robot simultaneous localization, mapping and structure from motion using a RGB-D sensor.

The program use OpenCV to capture Images, Speeded Up Robust Features (SURF) to build map, and Extended Kalman filter (EKF) to proceed Simultaneous Localization and Mapping (SLAM).

Using a cloud computing implemented by File Transfer Protocol (FTP) server.

Matlab calibrated sensor and built 3D map.

2007-2011 **Bachelor of Science in Mechanical and Electro-Mechanical Engineer**

Tamkang University – New Taipei City, Taiwan

Main part that are image feature detection and target tracking method, using SURF(speeded up robust features) and EKF(extended Kalman filter), and develop AR(Augmen ted Reality) system require image registration technology.

Using Protel 99 SE to design the PCB model and make PCB.

PUBLICATIONS

2013 “Calibration of RGB-D sensors for Robot SLAM”,

Applied Mechanics and Materials, 6 pages. 12/2013

TECHNICAL SKILLS

Familiar with C++, Matlab, Fortran, Python, MySQL, MSSQL, OpenCV, Extended Kalman filter (EKF), Speeded Up Robust Features (SURF), Simultaneous Localization and Mapping (SLAM), Microsoft Kinect Sensors, Calibration of RGB-D sensors, Microsoft Office, Dreamweaver, C# MVC, jQuery