Shih-Chien Yang

TEL:(C) +886 922113493(TW)
shihchieny@gmail.com

EXPERIENCE

National Health Research Institutes – **Project Assistant** 2020 – Present

- Using python Machine Learning (pytorch, tensorflow) algorithm and embedded system to develop Biomedical Engineering Product which are AI Technology for Thermal Scanning, Real-Time AI Wound recognition, Social Distancing Monitor, Health Monitor and AI Rehabilitation.
- Guide intern through independent study on Biomedical Engineering

GrandTech Cloud Services – **Software Engineer** 2019 – 2020

- 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

iSSA Technology Co., Ltd –**Algorithm Engineer** 2018 – 2019

- 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.

Taiwan Intellectual Property Office –**Patent Assistant** 2013 – 2016

- 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

EDUCATION

Master of Engineering in Mechanical and Electro-Mechanical Engineer Tamkang University – 2011-2013

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). Final, using a cloud computing implemented by File Transfer Protocol (FTP) server and Matlab calibrated sensor and built 3D map.

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, SolidWorks, Raspberry PI, Nvidia TX2/NX