



## EXPERIENCE

### ASML Taiwan Ltd. – Equipment Performance Engineer 2023 – present

- Reconcile all Taiwan machine status and reach availability target 93% in Taiwan
- SW module leader to help member understand SW issue

### ASML Taiwan Ltd. – Competency Engineer 2022 – 2023

- Handle machine structure issue and co-work with Centre CE to solved issue
- Develop tools which is data analysis to help team member to reduce manual work and focus on main job

### ASML Taiwan Ltd. – Customer Support Engineer 2021 – 2022

- Help N3 ramp up successfully
- Maintenance machine and repair machine when machine USD.
- Help handle machine SW action and knowledge transfer to team member

### National Health Research Institutes – Project Assistant 2020 – 2021

- 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

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## Work Projects

### CI:

- Process improvement for tsmc body temp. feedback form (Best CI) – develop program reduce waiting time and human error
- AVATAR (WW Best CI)– develop report on Spotfire which reduce a lot of manual work and turn to automatic
- DL beam drift prevent dashboard (Best CI) – develop dashboard on Spotfire which turn USD to SD and reduce machine down time
- OVR controller FW Upgrade for RY-95C8 – cooperate between local and Centre resolve RY-95C8 issue which no machine down and provide Centre procedure update on the coach

### A3:

- Monitor Inline Refill System – develop program monitoring machine inline refill action and request from Centre help to become company software which reduce fab team manpower and manual work time and avoid ILR module broken which make machine down

### Other:

- FabM – develop program to help centre team get Taiwan machine logging issue
- KU Dashboard – create KU dashboard on Spotfire help Hsinchu site reduce manual work
- Be-warned system – develop program preventing machine down and avoid customer product damage
- EMGJMI data tools – develop program help metro team easy analysis data and troubleshooting

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## 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.

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## 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