

## EDUCATION

### University of Washington (UW)

*Seattle, Washington*

Master of Science in Technology Innovation (under Computer Science)

Expected Graduation: Mar 2025

### Soochow University (SU)

*Taipei, Taiwan*

Bachelor of Business Administration in Computer Science and Information Management

Sep 2017 – Jun 2021

Relevant Course: Data Structure &amp; Algorithm, Operating Systems, OOP(Java), Deep Learning, Data and Signal Processing

## SKILLS

- **Language:** JavaScript, Python, HTML/CSS, Java, PHP, C, C#
- **Frontend skills:** React.js, Angular, D3.js, storybook.js, Bootstrap, RWD, JEST, Kubernetes
- **Backend skills:** Node.js, Spring boot, Flask, MySQL, PostgreSQL, MongoDB, Jenkins, Docker, AWS, Microsoft Azure
- **Machine Learning:** MATLAB, Google Colab, Python libraries (TensorFlow, Keras, NumPy, Pandas)
- **Operating Systems:** Unix/Linux, Windows

## WORK EXPERIENCE

### Technical Support Specialist

*Seattle, Washington**University of Washington, Global Innovation Exchange*

Dec 2023 – present

- Designed networking solution to launch Linux server with OpenVPN installed and IPsec tunnel built, allowed remote student using SSH to access robotics resources with Robot Operating System (ROS) installed
- Managed and reorganized IT equipment loaning and assets management system for 100+ students

### Software Engineer

*Taipei, Taiwan**Taiwan Cybersecurity Foundry Company*

Sep 2022 – Nov 2023

- Engaged in daily stand-ups to swiftly address project challenges, align on objectives, and adapt to evolving client needs
- Built data visualization charts library for product usage to enhance UX, utilizing D3.js, TypeScript, and Storybook.js
- Reconstructed relational database's structure to improve server-side logic and for better management. Resulted in a 20% increase in search operations, boosting system efficiency and user satisfaction
- Originated and Developed Phalanx to automate vulnerability scan and penetration test tools that help organizations keep abreast of potential vulnerabilities using React.js, Redux, Node.js, and MySQL, serving 20+ global clients
- Participated in the development of Internal Data Management and Analysis System for Taiwan Power Company to manage electric towers' status and provide automated monthly analysis report using Angular, D3.js, Spring boot, and SQL server

### Research Assistant

*Taoyuan, Taiwan**Medical Image Processing & Computer Vision Lab @Chang Gung University*

May 2022 – Aug 2022

- Gathered and annotated pupil's data with relevant labels, and curated the data to meet the requirements of the ML algorithms
- Trained deep convolutional neural network (CNN) using transfer learning approach, which is designed to detect juvenile myoclonic epilepsy (JME) using diffusion magnetic resonance imaging (MRI) data

### Technical Assistant Intern

*Taipei, Taiwan**Microsoft Corporation*

Jun 2020 – Jun 2021

- Architected and deployed sophisticated cloud-based solutions for 5+ sector entities, concentrating on the development and integration of a customized image classification methodology and workflow utilizing Microsoft Azure within their application

### Software Engineer, Co-founder

*Taipei, Taiwan**Famille (Online sneaker retail company)*

Sep 2018 – Jun 2022

- Integrated cash flow system with TapPay (Payment Gateway), eliminating the need for redirects to external sites
- Implemented advanced security measures including SSL encryption and OAuth to protect user data and transactions, fostering trust and safety within the platform.

## PROJECTS ([portfolio site](#))

### [Intelligent Customer Management System](#) (Group) | ASP.NET, PHP, MySQL, Google APIs

Feb 2020 – Dec 2021

- Led a team in developing a web application for sales, focusing on their workflow management and provide data analysis
- Shortlisted for the 25th International ICT Innovative Services Awards, ranked top 15 out of 500 teams, demonstrating the system's innovation and effectiveness in streamlining processes and improving customer service