

Wen-Ting Yeh

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

December 2022 (expected)

MS in Mobile and IoT Engineering

GPA: 4.0/4.0

Coursework: Computer Systems, Information Security*, Software Construction*, Telecommunications Networks*

National Chengchi University, Taipei, Taiwan

June 2019

BS Double Major in Management Information Systems, Digital Technologies and Contents

GPA: 3.8/4.3

Coursework: Data Structure, Algorithms, Database, Advanced Computer Programming, Web Programming

SKILLS

Programming Languages: Java, JavaScript, SQL, C

Backend: Node.js (Express), Spring, PostgreSQL/ MySQL/ SQL Server, Redis, MQTT

Frontend: HTML5, CSS3, JavaScript (React/jQuery), Android app, React Native

Framework & Tools: UiPath, Node-RED, IBM Watson, Sketch, Photoshop, Illustrator

WORK EXPERIENCE

IBM, Taipei, Taiwan

Application Consultant: Algorithmic

July 2019 - May 2021

- Developed an online loan agreement signing system with **Java (Spring), JSP, SQL Server** for a leading bank (SCSB) in Taiwan; integrated multiple internal systems with **RESTful API** to speed up the loan origination process
- Built AI conversational chatbots using **Node.js, Node-RED, IBM Watson** for more than 3 banks and insurance companies; used by more than **1 million end-users**
- Designed a notification module for editing contents and sending to users using **ZeroMQ, Node.js and Redis**
- Implemented Robotic Process Automation solution using **UiPath** to generate financial reports automatically for two banks; enhanced business process efficiency and **lessened five man-hours every day**

Application Consultant Intern

July 2018 - December 2018

- Devised an equipment listing component of a warehouse management software with **Angular6** for the world's largest semiconductor foundry (TSMC); **applied in 3+ foundries with 1000+ workers**
- Facilitated design thinking workshops for **more than 30 clients** to design Health, Safety and Environment (HSE) Management System and created **Android App** prototypes based on workshops' outcomes

Advantech, Taipei, Taiwan

Software Engineer Intern

January 2018 - June 2018

- Introduced an integrated queue POS solution for restaurants to organize table reservations; implemented multiple **RESTful API** and transmitted real-time data with **RabbitMQ, Java (Spring), PostgreSQL**
- Developed a reservation app using **React Native** for customers to reserve restaurants' tables online

National Chengchi University

Teaching Assistant in Introduction to Computer Programming course

August 2017 - January 2018

- Designed data structure assignments for **97 students** and inspired them to solve coding problems in a logical way

SELECTED PROJECTS

Dynamic Memory Allocator | Individual

July 2021

- Created a dynamic allocator consisting of malloc, free, realloc, calloc functions using **C**
- Implemented explicit and segregated list methods to improved allocator's utility and throughput

Xer | Team of four | Project leader, Full-stack developer

December 2018

- Awarded 2018 **MOST Research Grant** for University Students by Ministry of Science and Technology, ROC
- Built a social fitness media **Android app** with **PHP, MySQL** for NCCU students to find partners to sport with
- Led a team of 4 and performed **agile sprints, feature prioritization** to ensure timely delivery of the product