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: Introduction to Computer Systems, Introduction to Information Security*, Principles of Software Construction*, Fundamentals of 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, PosgreSQL/ 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; Integated multiple internal systems; **Significantly improved** 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 function 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), PosgreSQL**.
  • 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.