Wei-Yuan (Eric) Wen

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EDUCATION

University of California, San Diego (UCSD) — San Diego, CA

Master of Science in Computer Science and Engineering, GPA 3.5/4.0 — *Sep. 2016 - Jun. 2018*

Courses: Interaction Design, Adv. Topics in Software Engineering, Distributed Systems, Principles of Database

National Tsing Hua University (NTHU) — Hsinchu, Taiwan

Bachelor of Science in Engineering and System Science, GPA 3.9/4.0 — *Sep. 2011 - Jun. 2015*

Minor in Computer Science, GPA 3.9/4.0

Courses: Web Programming and Applications, Data Structures, Design and Analysis of Algorithms, Operating Systems

SKILLS

Programming Languages: Java, Python, JavaScript, C

Tech Stack: React, React Native, Node.js, HTML, CSS, jQuery, MySQL, Firebase

Tools: Git, Vim, Linux, Docker, Android, PySpark

Leadership/Volunteering: President of Student Association of ESS Department, Resident Assistant for freshman

WORK EXPERIENCE

DBS Bank | *Software Engineer Intern* — *Jul. 2017 - Aug. 2017*

- Implemented a **web crawler** using Java to facilitate the updating process of Microsoft newly released packages
- Developed a Macro in Excel using VBA to automate the generation of report, reducing up to 90% of process time
- Pioneered the functionality of Microsoft Sharepoint and instructed 21 employees to create team portals
- Designed workflows to manage tasks among multiple teams, improving team productivity by 40%

Lumens Digital Optics Inc. | *Software Engineer Intern* — *Apr. 2015 - Jul. 2015*

- Enhanced CPU performance by 1% via installing a self-designed kernel module
- Improved cooling efficiency of cube fan by 30% using periodic detection

PROJECTS

Personality Insights | *React Native, Node.js, Firebase* — *Oct. 2017 - Dec. 2017*

- Built a **mobile application** to keep users motivated by analyzing their behavior and connecting them with friends
- Implemented the API to search users, add/remove friends and join/leave the group
- Designed and constructed user interface of all pages and stack navigation between pages
- Implemented user login/registration using Firebase authentication and database

ChowNow | *Node.js, JavaScript, HTML, Bootstrap, jQuery* — *Jan. 2017 - Mar. 2017*

- Developed a **mobile web application** for meal recommendation for indecisive people
- Constructed a filtering system to provide suggestions based on users' preference
- Recorded users' preferences for next run as part of the strategy to provide better user experience

FindFood | *HTML, CSS, PHP, JavaScript, jQuery, MySQL* — *Apr. 2015 - Jun. 2015*

- Created a **website** for people to write reviews for various restaurants
- Constructed a membership system to manage user login/registration
- Designed the schema of database for membership management, restaurant information and review content

Distributed Filesystem | *Java, Docker* — *Jan. 2017 - Mar. 2017*

- Established a simple distributed filesystem consisting of RMI library, naming server and storage servers
- Implemented basic file and directory operations with support of synchronization and replication