Mengyuan (Jerry) Wu

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Work Experience

Software Engineer   **Aug 2017 – Present**
IBM – San Jose, CA

- Responsibilities include frontend development with React, cluster management with Docker and Kubernetes, and application development with Electron and Node
- Implemented analytics using Segment to gather usage data, then packaged code into npm modules for other teams to use, complete with documentation and video tutorials

Summer Intern   **June 2016 – Aug 2016**
Booz Allen Hamilton – Honolulu, HI

- Researched the potential for using blockchain and mesh networks in a distributed supply chain to reduce logistical costs for disaster relief organizations
- Assisted with developing a proof of concept in Java; implemented proof of work algorithm for adding new blocks to the blockchain

Co-op Engineer   **Jan 2016 – May 2016**
AMD – Austin, TX

- Developed a database viewer and uploader for .csv files using HTML, JavaScript, PHP, and SQL; implemented features such as error checking on upload and file revision tracking

Projects

Ultrasonic Wind Sensor   **Aug 2016 – May 2017**

- Designed a compact system that can achieve real-time measurements of wind speed and direction using ultrasonic transducers and a Teensy 3.2 development board

GPSend   **Aug 2016 – Dec 2016**

- Developed an Android application that enables users to share their location with just three taps

Micromouse   **Jan 2015 – May 2015**

- Built an autonomous robot that solved a 16x16 cell maze in ~ 1 minute

Technical Skills

- **Languages:** JavaScript, C, C++, Python, Java
- **Frameworks:** React, Electron, NodeJS
- **Tools:** Git, Docker, Kubernetes, Jenkins, Bash

Education

University of Hawaii at Manoa – Honolulu, HI   **Aug 2013 – May 2017**

- B.S. Computer Engineering, GPA: 3.9