

# Mengyuan (Jerry) Wu

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## Work Experience

### Software Engineer

Aug 2017 – Present

IBM – San Jose, CA

- Developing IBM Watson Studio Desktop, an Electron-based application involving numerous teams and components; development lead for the Electron component, responsible for ensuring that everything works together
- Lead developer for IBM DSX Desktop, a data science application built on Electron and Docker; removed 240k+ lines of code in a refactor, improving the codebase and the performance
- Implemented analytics in DSX Desktop; developed reusable modules to make using Segment's HTTP API easier; published modules on an internal npm registry and provided in-depth documentation and video tutorials so other teams at IBM can reuse them

### 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

### GPSSend

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, Nginx, Jenkins, Travis, Bash

## Education

University of Hawaii at Manoa – Honolulu, HI

Aug 2013 – May 2017

B.S. Computer Engineering, GPA: 3.9/4.0