

Mengyuan (Jerry) Wu

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Education

University of Hawaii at Manoa – Honolulu, HI

Expected: May 2017

- B.S. Computer Engineering, GPA: 3.9
- IEEE-Eta Kappa Nu Webmaster

Work Experience

Teaching Assistant

Jan 2017 – May 2017

University of Hawaii – Honolulu, HI

- Facilitating labs and grading assignments for an introduction to programming course in C

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

Advanced Micro Devices – Austin, TX

- Product development engineering—scan team; tested die and collected shmoo plots; performed timing optimizations to reduce the time and cost of validating a unit
- 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 – Present

- Designing 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
- Implemented a wall hugger algorithm and proportional controller

Technical Skills

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- **Languages/Frameworks:** C, C++, Java, Python, HTML, PHP, JavaScript, SQL, MeteorJS
 - **Tools:** Git, Linux, Android Studio, Arduino IDE, IntelliJ IDEA