

Herman Li

herman_hmli@yahoo.com
(808)-393-8206

lihongman.github.io

Education

August 2014-May 2019	University of Hawaii Manoa, 3.71 GPA	BS Computer Science
August 2019-Present	University of Hawaii Manoa	MS Computer Science

Experiences & Projects

Raytheon Software Engineering Intern Jun. 2020 – Aug. 2019

- Worked on dev-ops tools for streamlining modifications and fixing issues related to Rhapsody models.
- Generated code coverage reports for Jenkins pipeline.

Datahouse Software Intern May 2019 – Aug. 2019

- Rebuilt internal tool which helped balance project workloads and identified employees over and under-utilized using data pulled from OpenAir payroll management API.
- Built on NodeJS with Angular.js front-end and Express.js back-end. Used Sequelize to connect to a MySQL database and other NPM libraries for other functions.
- Project used Agile software development working with other interns.

Amazon Software Development Engineer Intern May 2018 – Aug. 2018

- Made use of multiple AWS services to build the project including Lambda, Redshift, DynamoDB, Step Functions, Athena, CloudWatch, etc.
- Used Agile system of development.
- Built data store of business metrics allowing utilization of different visualization tools to be used by managers to track changes and anomalies in the system.

Steel Bridge Deflection Optimization Class Project Sep. 2018 – Dec 2018

- Project for ICS 674 (Evolutionary Computing) to implement a genetic algorithm along with a short paper.
- Built in C++ and implemented calculations needed to calculate deflection and stress loading on truss structure.

Won Hawaii Annual Code Challenge Oct. 2018 – Nov 2018

- Created data visualization tool for presenting University of Hawaii power consumption data.
- Worked on backend consisting of a web API created using AWS services.
- Backend used AWS Lambdas and S3 to process data and store aggregated data.

Clubs & Organizations

UH Association for Computing Machinery (ACM) Aug. 2017 - Present

- Professional organization for computer science.
- Was vice president of data science sub-organization.
- Participation in other sub-organizations such as algorithms and Grey Hats (cybersecurity).

Skills

- Experience in C++, Java, JavaScript, Kotlin, Object-Oriented Design, and Matlab.
- Amazon Web Services
- Git