

Herman Li

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

lihongman.github.io

Education

August 2014-May 2019	University of Hawaii Manoa, 3.71	BS Computer Science
August 2019-May 2021	University of Hawaii Manoa, 3.86	MS Computer Science

Experiences & Projects

Raytheon Software Engineer II	Jun. 2021 – Present
-------------------------------	---------------------

- Worked on the flight software and test procedures for the EWS program.
- Started a Jenkins pipeline to compile and run tests for the flight software.
- Used Rational Rhapsody as part of development and VxWorks to compile onto LEAP board.
- Fixing booter to load image based on a new version of VxWorks.

Raytheon Software Engineering Intern	Jun. 2020 – Aug. 2020
--------------------------------------	-----------------------

- 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
---	----------------------

- Utilized 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.

Clubs & Organizations

UH Association for Computing Machinery (ACM)	Aug. 2017 – May 2021
--	----------------------

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

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.

Skills

-
- Experience in C/C++, Java, Kotlin, JavaScript, and Matlab.
 - Experience with VxWorks and Rhapsody.
 - Amazon Web Services
 - Git