

Herman Li

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Education

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

Experiences & Projects

Raytheon Software Engineer II Jun. 2021 – Present

- Worked on the flight software and test procedures implemented in C/C++ for the EWS satellite program.
- Set up a Jenkins pipeline to compile and run tests for the flight software.
- Used Rational Rhapsody as part of development with software compiled for VxWorks to load and run on a LEAP board for testing.
- Fixing bootloader to load image compiled on a new version of VxWorks.
- Used Jira for task tracking and sprint management.

Raytheon Software Engineering Intern Jun. 2020 – Aug. 2020

- Worked on DevOps 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

- 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.
- Utilized multiple AWS services to build the project including Lambda, Redshift, DynamoDB, Step Functions, Athena, CloudWatch, etc.
- Used Agile system of development.

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, JavaScript, SQL, Kotlin, and Matlab.
- Experience with Git, Bitbucket, Jenkins, Confluence, Jira.
- Amazon Web Services: Used Lambda, Redshift, DynamoDB, Step Functions, S3, and CloudWatch.
- Experience with VxWorks and Rhapsody.