Herman Li

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Education

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

Experiences & Projects

Raytheon Software Engineer II   Jun. 2021 – Present
- Worked on the flight software for the EWS satellite.

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
- 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.

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++, Java, JavaScript, Object-Oriented Design, and Matlab.
- Amazon Web Services
- Git