Herman Li

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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

Datahouse Intern — May 2019 – Aug. 2019
- Rebuilt internal tool which helped balance project workloads and identified which employees are over-utilized using data from OpenAir payroll management.
- Built on NodeJS with Angular.js as front-end and Express.js handling the back-end. Used Sequelize to connect to a MySQL database with Redis as a cache.

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.

Shaka-Scheme — Jan 2018 – May 2018
- An extracurricular school project which was a Scheme-based interpreter based on R7RS.
- Implemented String and Boolean libraries.

Won Hawaii Annual Code Challenge — Oct. 2018 – Nov 2018
- Created data visualization tool for presenting University of Hawaii power consumption data.
- Worked on backend which consists of a web API created using AWS services.
- Backend used AWS Lambdas and S3 to process data and store aggregated data.

Participated in Hawaii AT&T Hackathon — Mar. 10, 2018
- We created a VR game to help people in public speaking.
- Won best VR app category.

Lab Monitor — Aug. 2017 – May 2019
- Responsible for computer maintenance and support issues from students' personal computing devices.

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