REBECCA HSIEH

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Experience

Software Engineer, **Cisco** July 2017 - July 2020

Golang, Swagger, Git, Docker, Postman

- Created an internal tool allowing engineers to customize and deploy 100s of different types of applications
- Aggregated deployment metrics across users and teams for internal cost optimization
- Collaborated with multiple teams to integrate their cloud services into our product
- Automated the slow and error-prone manual managerial approval process for cloud deployments
- Developed and owned a cluster of microservices supporting high-availability REST APIs for 24-7 deployment infrastructure
- Led the mitigation of high priority incidents while being on-call with quick escalation and response times
- Won LEAP Award in User Experience for collaboratively designing and developing a backend workflow for users to navigate cloud resource provisioning

Bioinformatics Research Student, **Jagodzinski Lab** June 2016 - June 2017

Bash, Python, C++

- Manipulated amino acids in a protein structure for DNA sequencing utilizing C++
- Parsed and transformed Protein Database Bank (PDB) text files
- Developed backend automation process with bash scripting

Software Engineering Intern, **Milliman** June 2016 - September 2016

Node.js, React, d3.js, vega

- Utilized Node.js and React to create customer dashboards for cost aggregation and care management on the MedInsight tool
- Enabled interactive data visualizations on the analytics layer by employing d3.js and Vega

Skills

Languages: Golang (strong), Python (familiar), Java (familiar), C (familiar)
Tools: Git, Docker, Postman, Swagger

Education and Research Publications

Computer Science, B.S. with Minors in Math and Chinese
Western Washington University, Class of 2017

- Roshanak Farhoodi, Max Shelbourne, Rebecca Hsieh, Nurit Haspel, Brian Hutchinson, and Filip Jagodzinski**. Predicting the Effect of Point Mutations on Protein Structural Stability.** ACM-BCB'17: ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics (ACM Digital Library).
- Erik Andersson, Rebecca Hsieh, Howard Szeto, Roshanak Farhoodi, Nurit Haspel and Filip Jagodzinski. **Assessing How Multiple Mutations Affect Protein Stability Using Rigid Cluster Size Distributions**. Proceedings, IEEE ICCABS, 2016.

Leadership

Partnerships Lead, **ChickTech Bay Area** August 2017 - January 2019

- Coordinated monthly hands-on technology related workshops
- Organized the 2018 Hackathon for low income and underprivileged students in the Bay Area