

# REBECCA HSIEH

Backend focused software engineer based  
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## Experience

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Software Engineer II, **Grove Collaborative**

July 2021 - June 2023

[Python](#), [Django](#), [Git](#), [Docker](#)

- **Helped company prepare for exit** by aligning checkout experiences for new and existing customers, resolving discount and pricing discrepancies through collaboration with design, product, marketing, and finance teams
- Created an extensible dynamic fee mechanism and implemented a supply chain fee, adding **\$16M in annual revenue**
- Mitigated security incident involving bot hacking into customer accounts, leveraging Datadog and Sentry; developed Python script for data manipulation and password reset email distribution to **73,000+ affected customers**
- Technical lead for cross-functional collaboration; developed Python models and APIs for efficient data ingestion and serialization from Django to web client, resulting in the creation of a VIP exclusive shop that reduced churn

Software Engineer, **Cisco**

July 2017 - July 2020

[Golang](#), [Swagger](#), [Git](#), [Docker](#), [Postman](#)

- Created an internal tool in Golang allowing engineers to customize and deploy 100s of different types of applications with a more efficient workflow which also allowed 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 in Golang and owned a cluster of microservices supporting high-availability REST APIs for 24-7 deployment infrastructure

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

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**Languages:** Golang (strong), Python (strong), Java (familiar), C (familiar)

**Tools:** Git, Docker, Postman, Swagger

## Education and Research Publications

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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.