

Kailani Chu

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Work Experience

GitHub

Remote

Software Engineer on Security Products

February 2022 - Present

- Implemented support for Private Registries in Dependabot Alerts, allowing customers to automatically resolve and update vulnerabilities within packages from private package registries
- Spearheaded API and storage design on Vulnerability Reachability Analysis to identify critical exploitable vulnerabilities and improve supply chain security across repositories on GitHub
- Implemented and released GitHub Private Vulnerability Reporting to facilitate safe and confidential vulnerability disclosure, helping publish nearly 500 security advisories in 12 months
- Expanded GitHub Advisory Database coverage by adding new vulnerability sources and ecosystems

Google

Sunnyvale, CA

Software Engineer on Google Payments

August 2021 - February 2022

- Developed features to improve Google Pay balance payment flows, reducing user declines
- Built and improved APIs to enable instant, safe, and consistent checkout experiences

Software Engineer on Cloud Platforms

July 2020 - August 2021

- Designed and implemented a software platform to detect and log instantaneous datacenter anomalies, enabling SREs to better root-cause transient outages
- Served as software lead across multiple datacenter power hardware projects to improve efficiency and stability and reduce total cost of ownership
- Created new firmware verification and testing systems, reducing regressions in production
- Interfaced with external teams and vendors to create software solutions for custom datacenter hardware

Software Engineering Intern on Cloud Platforms

May 2019 - August 2019

- Developed a Kythe indexer for SystemVerilog to enable advanced code insight features in developer IDEs
- Enhanced functionality for Code Search, actively used by tens of thousands of engineers across Alphabet

Salsify

Boston, MA

Software Engineer Co-op on Platform Foundations

January 2019 - May 2019

- Designed and implemented standard error handling in the new customer-facing GraphQL Rails API, improving UX and developer productivity
- Completed implementation of multilingual support on the Salsify platform
- Assisted the design of complex product data modeling capabilities

Skills

Languages

Ruby, Python, Java, C++, C, OCaml, JavaScript, HTML, CSS, SQL, KQL, Bash

Technologies

Ruby on Rails, MySQL8, CosmosDB, Kafka, Airflow, Redis, GraphQL, Linux, Git
Docker, Protocol buffers, OpenAPI, Google Cloud Platform, Microsoft Azure

Education

Northeastern University

Boston, MA

College of Computer and Information Science

September 2016 - May 2020

B.S. in Computer Science, Magna Cum Laude, Dean's List

GPA: 3.8 / 4.0