Kailani Chu

(412) 736-9214 | 154 Waianuenue Ave #11082, Hilo, HI 96721 | me@kailani.io

kailani.io | github.com/hawaiigal | linkedin.com/in/kailanichu

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
- Implemented and released GitHub Private Vulnerability Reporting to facilitate safe and confidential vulnerability disclosure, helping publish nearly 500 security advisories in 12 months
- Spearheaded early API and storage design for Vulnerability Reachability Analysis to identify critical exploitable vulnerabilities and improve supply chain security across repositories on GitHub
- 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*