Kailani Chu

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Work Experience

Github   Remote
Software Engineer on Security Products   *February 2022 - Current*

- Implemented and released GitHub Private Vulnerability Reporting to facilitate safe and confidential vulnerability disclosure, helping publish nearly 200 security advisories in 6 months
- Led initiative to increase GitHub Advisory Database coverage by integrating with additional primary sources such as the Go Vulnerability Database
- Spearheaded projects to normalize unstructured internal data models and improve maintainability

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, MySQL 8, Apache 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*

- T.A. for Object Oriented Design, Computer Systems, and Embedded Design