Kailani Chu

(412) 736-9214 | 154 Waianuenue Ave #11082, Hilo, HI 96721 | me@kailani.io
kailani.io | github.com/kailanichu | linkedin.com/in/kailanichu

Work Experience

Google   **Sunnyvale, CA**
Software Engineer on Google Payments   *August 2021 - Current*
- 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
- Participated in a fast-moving SCRUM team using Ruby on Rails, Postgres, Kubernetes, and AWS

Thermo Fisher Scientific   **Franklin, MA**
Software Engineer Co-op   *January 2018 - June 2018*
- Designed, implemented, and released a low-cost air monitoring software/hardware platform to improve air quality in developing countries
- Developed a Linux userspace I²C driver in C++11 to allow concurrent usage of multiple I²C devices

Skills

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

Technologies   Linux, Git, Ruby on Rails, Protocol Buffers, Google Cloud Platform
                       Guice, Boost C++ Libraries, Docker, jUnit, Vue, NodeJS, Django

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
- Relevant Courses: Software Development, Programming Languages, Object Oriented Design, Algorithms and Data Structures, Computer Systems, Theory of Computation