

Kailani Chu

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Work Experience

Google

Sunnyvale, CA

Software Engineer on Google Payments

August 2021 - Current

- Enabling instant, safe, and consistent checkout experiences across all mediums.

Google

Sunnyvale, CA

Software Engineer on Cloud Platforms

July 2020 - August 2021

- Designing software to enhance Google datacenter reliability and performance
- Revamping firmware verification and testing systems, reducing regressions in production

Google

Sunnyvale, CA

Software Engineering Intern on Cloud Platforms

May 2019 - August 2019

- Developed a Kythe indexer for SystemVerilog source in C++11, operating on an abstract syntax tree to enable advanced code insight features in developer IDEs
- Enhanced functionality for company-wide developer productivity tools, actively used by thousands of hardware engineers across Alphabet

Salsify

Boston, MA

Software Engineer Co-op on Platform Foundations

January 2019 - May 2019

- Participated in a fast-moving SCRUM engineering team using Ruby, Rails, Postgres, Kubernetes, and AWS
- Designed and implemented standard error handling in the new customer-facing GraphQL Rails API, improving UX and developer productivity with GraphQL
- Completed implementation of multilingual support on the Salsify platform
- Assisted in design and implementation of complex product data modeling capabilities

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 in a team of 7
- Developed a Linux userspace I²C driver in C++11 to allow management and usage of multiple I²C devices

Skills

Languages

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

Technologies

Linux, Git, Firmware Development, CAN, Ruby on Rails
Boost C++ Libraries, Selenium, Docker, JUnit, Vue, NodeJS, SQL
Apache2, 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: 3.7 / 4.0

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