

# Kailani Chu

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## Work Experience

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### 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
- 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 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*

- 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 the design of complex product data modeling capabilities
- Participated in a fast-moving SCRUM engineering team using Ruby, 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 I<sup>2</sup>C driver in C++11 to allow management and usage of multiple I<sup>2</sup>C devices

## Skills

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### Languages

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

### Technologies

Linux, Git, Ruby on Rails, Protocol Buffers, Google Cloud Platform  
SQL, Boost C++ Libraries, Selenium, Docker, JUnit, Vue, NodeJS  
Apache2, Django

## Education

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### 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