Kailani Chu

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Work Experience

Google **Sunnyvale, CA**
Software Engineer on Cloud Platforms *July 2020 - Current*

- 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, C++, C, Ruby, Java, JavaScript, HTML, CSS, 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

Other Activities

- Languages: Native speaker of English and Mandarin Chinese
- Activities: Association for Computing Machinery, NUHacks, Ukulele club, Experimental Aircraft Assocation