Alec Ge

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Work Experience

Google   **Sunnyvale, CA**
Software Engineering Intern on Cloud Platforms   *May 2019 - August 2019*
- Developing a Kythe indexer for SystemVerilog source, enhancing company-wide developer productivity tools

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 API
- Assisted in design and implementation of complex product data modeling capabilities
- Completed implementation of multilingual support on the Salsify platform in a SCRUM/AGILE team

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
- Designed a program in Python to connect to an instrument via VNC and automatically take screenshots on changed UI elements, shortening the development cycle by one week
- Led research into new software tools to enhance developer productivity and efficiency

Skills

Languages	Python, Ruby, C++, C, Java, JavaScript, HTML, CSS, Bash
Technologies	Linux, Git, Ruby on Rails, Django, Boost C++ Libraries, Selenium Docker, jUnit, Vue, NodeJS, SQL, Apache2, Django

Education

Northeastern University   **Boston, MA**
College of Computer and Information Science   *Expected Graduation May 2020*
B.S. in Computer Science, Dean's List   *GPA: 3.6 / 4.0*
- Relevant Courses: Software Development, Programming Languages, Object Oriented Design, Algorithms and Data Structures, Computer Systems, Theory of Computation

Personal Projects

WWII Enlistments Data
In Progress   *github.com/alecge/wwii-enlistment-scrape*
- Created a Python script utilizing Selenium and Docker to scrape WWII US Army enlistment data from archives.gov, totaling 60GB of HTML
- Processed HTML into machine-readable data, using SQLAlchemy, and Google Cloud PostgreSQL

Tabulate
In Progress   *github.com/alecge/tabulate*
- Built a Chrome extension in JavaScript, HTML, and CSS to easily manage tabs across workspaces and windows

Extracurriculars and Other

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