

# Alec Ge

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Available January - August 2019

## Education

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### Northeastern University

**Boston, MA**

*B.S. in Computer Science*

*September 2016 - Present*

*College of Computer and Information Science*

*GPA: 3.6 / 4.0*

- Dean's List
- Relevant Courses: Computer Systems, Objected Oriented Design, Algorithms and Data Structures, Programming in C++

## Skills

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### Languages

Proficient in: Python, Java, C++, C

Familiar with: HTML, CSS, JavaScript, Go, Bash

### Technologies

Proficient with: Linux, Git, Boost C++ Libraries, Selenium

Familiar with: Docker (docker-compose), Vue, NodeJS, SQL, Apache2

## Work Experience

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### Thermo Fisher Scientific

**Franklin, MA**

*Software Engineer Co-op*

*January 2018 - June 2018*

- Participated in the core team to design, implement, and release a new low-cost air monitoring software/hardware platform to improve air quality in developing countries
- Created generic Linux userspace I<sup>2</sup>C drivers to allow easy management and usage of multiple I<sup>2</sup>C devices
- Refactored and extended legacy C instrument firmware to improve performance and add features for customers
- Assisted in selecting new software tools to improve developer productivity
- Planned and led team meetings to demonstrate newly deployed technologies such as Git and clang-tidy
- *Technologies used: C++11, Boost C++ Libraries, Linux, C, Python, Git, I<sup>2</sup>C, SPI, Angular, NodeJS (Webpack), Bash, HTML, CSS*

## Personal Projects

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### WWII Enlistments Data

*In Progress*

*github.com/alecge/wwii-enlistment-scrape*

- Created a dockerized python script that scrapes WWII army enlistment data from archives.gov
- Processed HTML into machine-readable data, including CSV and a Google Cloud SQL PostgreSQL database
- *Technologies used: Python, Docker (docker-compose, volumes), Selenium, SQLAlchemy, PostgreSQL, Google Cloud*

### Tabulate

*In Progress*

*github.com/alecge/tabulate*

- Created a Chrome extension in JavaScript to easily manage tabs across workspaces and windows
- *Technologies used: JavaScript, HTML, CSS*

**References available upon request**