

Alec Ge

407 Huntington Ave #016, Boston, MA 02115 | me@alec.ge | (412) 736-9214

alec.ge | github.com/alecge | linkedin.com/alecge

Available January - August 2019

Education

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

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

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 I²C drivers to allow easy management and usage of multiple I²C 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, I²C, SPI, Angular, NodeJS (Webpack), Bash, HTML, CSS*

Personal Projects

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