

Alec Ge

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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: Python, Java, C++, C

Familiar: HTML, CSS, JavaScript, Go, Bash

Technologies

Proficient: Linux, Git, Boost C++ Libraries, Selenium, CMake, Make

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

Basic Competency: Django

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
- Developed a generic Linux userspace I²C drivers to allow easy management and usage of multiple I²C devices
- Refactored and extended legacy C instrument firmware to enhance performance and add features for customers
- Assisted in selecting new software tools to increase 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 to scrape 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

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

References available upon request