

# Ava Silver

Pronouns: she/her or they/them

[GitHub](#) | [LinkedIn](#) | [Website](#)

Local: Boston, MA | Permanent: Palo Alto, CA | (650) 213-6238 | [avapsilver@gmail.com](mailto:avapsilver@gmail.com)

## Education:

**Northeastern University**, Boston, MA

September 2019 – Present

Khoury College of Computer Sciences

Candidate for Bachelor of Science in Computer Science, Expected 2023

GPA/Honors: 3.95/4.00 | Dean's List every semester

Relevant Courses: Web Development | Networks & Distributed Systems | Object Oriented Design | Algorithms | Computer Systems | Theory of Computation

**Henry M. Gunn High School**, Palo Alto, CA

August 2015 – June 2019

GPA: 3.94/4.00 unweighted

Honors/Awards: Computer Science, Math, and Science Department Awards

## Technical Knowledge:

Languages: Python, Rust, TypeScript/JavaScript (& HTML/CSS), Java, C, Kotlin, x86 Assembly

Systems: Windows, Ubuntu, macOS, Debian 10 Linux

Technologies/IDEs: Git, Visual Studio Code, Bash/Zsh/Unix, Android Studio, IntelliJ

## Work Experience:

**Datadog**, *Software Engineer Intern on the Azure Integrations Team*

January 2021 – Present

- Deployed many bug fixes and features relating to the Python resource API crawlers via CI/CD Pipeline
- Adding functionality for querying metrics data by maximum in addition to average

**Bose Corporation**, *Software Engineer Intern on the Automotive Division*

January – July 2021

- Developed Android applications for Android Automotive using robust design patterns
- Worked on modifying/extending Android source code to add functionality to the Android system to allow for the implementation of custom audio effects and to communicate between the Application and Native layers

**Khoury College of Computer Science at Northeastern University**

September 2020 – December 2021

*Head TA and Tutor for Fundamentals of Computer Science 1 Accelerated / TA for Algorithms and Data*

- As Head TA, led lab sections and conducted office hours to support and teach students and answer questions
- Supervised grading done by other TAs, graded exams to provide useful feedback to the students

**Lockheed Martin Solar and Astrophysics Lab**, *Intern*

July 2018 – August 2019

- Developed and submitted two abstracts that were accepted for presentation

**iD Tech Camps**, *Instructor*

June – August 2020

**Santa Clara Swim Club** *Head Lifeguard*

May 2017 – May 2019 & Summer 2020

## Projects:

**MOAS Web Client** – *React, TypeScript, Redux, Bootstrap, Responsive Design*

December 2021 – Present

- Created web client for Antenna control via communication with a relay sever over Web Socket
- Managed local state using Redux in combination with Bootstrap for responsive design on mobile and desktop

**Web Scraper** – *Rust, HTTPS, Cookie Management*

October 2021

- Created a web scraper/crawler to navigate a site and collect a series of flags for a Networks course project
- Managed Cookies and a Keep-Alive connection manually for continued exploring and efficiency

**Personal Website** – *React, TypeScript, CSS, HTML*

June 2021

- Developed website using React Elements and Hooks to separate content into individual pages
- Implemented website logic/design using TypeScript to provide more stability and readability over JavaScript

**Dog Identifier** – *Kotlin, Android Studio, TensorFlow Lite Machine Learning, XML*

August – October 2020

- Developed an Android app to identify dogs in photos uploaded by users
- Implemented TensorFlow Lite Machine Learning models for image processing
- Designed UI using XML allowing for quick, intuitive navigation between tabs

**Interests/Other Skills:** Eagle Scout Awarded 2019, Chinese Language (AP level Mandarin), Northeastern (NU) Chamber Choir, NU Pep Band, Piano/Guitar