

Ava Silver

Pronouns: she/her or they/them

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

Local: Boston, MA | Permanent: Palo Alto, CA | (650) 213-6238 | 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 2022 – 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