

Ava Silver

Available: January – August 2022

Pronouns: she/her or they/them

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

Local: Boston, MA | Permanent: Palo Alto, CA | (650) 213-6238 | Silver.j@northeastern.edu

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: 3.98/4.00 | Dean's List

Relevant Courses: Object Oriented Design | Algorithms | Computer Systems | Math of Data Models | Logic and Computation | Accelerated Fundamentals of Comp. Sci. 1 & 2 | Discrete Structures | Digital Design and Computer Organization

Henry M. Gunn High School, Palo Alto, CA

August 2015 – June 2019

Relevant Courses: Functional and Object Oriented Programming | Advanced Placement Computer Science

GPA: 3.94/4.00 unweighted

Technical Knowledge:

Languages: Java, TypeScript/JavaScript, Python, C, Kotlin, x86 Assembly, HTML, CSS, ACL2s

Systems: Windows, Ubuntu, macOS, Debian 10 Linux

Software/IDEs: Git, Visual Studio Code, Bash Command Line, Android Studio, IntelliJ, Vim, Eclipse

Personal Projects:

Personal Website – *React, TypeScript, CSS, HTML, Node.js, Visual Studio Code*

June 2021

- Developed a website to provide information about myself and my interests
- Designed UI 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 that identifies 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

Nush Unix Shell – *C, Visual Studio Code, Concurrent Processes*

October 2020

- Built a Unix shell for processing and executing commands, redirecting input and output, and instantiating and using variables
- Implemented functionality using concurrent processes, syntax trees, and hashmaps

EasyAnimator – *Java, IntelliJ IDEA, Java Swing library*

June 2020

- Built a GUI application that displays and allows for the editing of animated shapes using the Java Swing library for the Object Oriented Design class

Work Experience:

Bose Corporation

January 2021 – Present

Software Engineer on the Automotive Systems Division

- Develop 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 – December 2020

Tutor for Fundamentals of Computer Science I Accelerated

- Organized lab sections and conduct office hours to support and teach students and answer questions
- Graded exams and assignments to provide useful feedback to the students

Lockheed Martin Solar and Astrophysics Lab, Palo Alto, CA

July 2018 – August 2019

Intern

- Performed independent data analysis and research on solar image and numerical data
- Developed and submitted two abstracts that were accepted for presentation

iD Tech Camps, Palo Alto, CA

June – August 2020

Instructor

- Prepared personalized lesson plans for up to 15 students per week, ages 9-13
- Corresponded with students' parents each week during family check-in meetings

Interests/Other Skills: Chinese, Northeastern (NU) Pep Band, NU Chamber Choir, Guitar, NU Survivor, Photography