

# 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.Ava@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