

# Ava Silver

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## Experience

**Datadog**, *Software Engineer I, Azure Integrations* Spring 2022 & 2023, July 2023 - present

- Develop and deploy Azure API crawlers as part of a Kubernetes based microservices architecture for collecting and submitting metrics/logs/resources from Azure into Datadog
- Respond to incidents and customer issues through on-call and support rotations
- Deploy code changes to python crawlers through feature flags and automated and manual deploy trains

**Microsoft**, *Software Engineer Intern, Core SDN Fundamentals* June - August 2022

- Created testing framework for Xaml Pipelines for deployment of Virtual Network Load Balancers
- Added tests using the framework for portions of the codebase previously untestable

**Bose**, *Software Engineer Intern, Automotive Division* January - July 2021

- Developed Android applications for Android Automotive using robust design patterns
- Worked on extending the Android OS source code to allow for the implementation of custom audio effects and interop between the Application and Native layers

**Northeastern University College of Computer Science** 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
- Supervised grading done by other TAs, graded exams to provide useful feedback to the students

**Lockheed Martin Solar and Astrophysics Lab**, *Research Intern* July 2018 - August 2019

- Developed and submitted two abstracts that were accepted for presentation

## Education

**Northeastern University**, Boston, MA Fall 2019 - Spring 2023

B.S. of Computer Science with Software Concentration Dean's List 5 Semesters | GPA: 3.9/4.0

*Notable courses:* Networks & Distributed Systems, Web Dev, Object Oriented Design, Algorithms

## Skills

### Languages, Frameworks, & Technologies

Python, Rust, OCaml, C#, C, SQL

Web (React, TS, Electron), Android (Kotlin, Compose)

Fedora, Ubuntu, macOS, Windows/WSL

Linux, Bash, Git, Kubernetes, Docker, Github

## Projects

**MOAS Web Client** 🌐 – *React, TypeScript, Redux, Electron* December 2021 - February 2023

- Created web client for Antenna control via communication with a relay sever over WebSocket
- Implemented mobile-first responsive design with Bootstrap
- Built as a desktop app using electron to deploy the app and server together

**Web Scraper** 🌐 – *Rust, Networking, 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, Chakra UI* June 2021 & 2023

- Developed a personalized website to show off my web development abilities and personal style.

**Dog Identifier App** 🌐 – *Kotlin, Android Studio, Machine Learning* August - October 2020

- Developed an Android app to identify dogs in photos uploaded by users using TensorFlow Lite Machine Learning models for image processing