

# Ava Silver

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## Experience

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**Datadog - Software Engineer II - Serverless Onboarding & Enablement** June 2025 - present

- Designed onboarding tooling for Azure & GCP serverless customers to simplify the monitoring setup process
- Developed an internal system for deploying, testing, and releasing serverless monitoring products to ensure reliability and improve development velocity

**Datadog - Software Engineer II - Azure Integrations** January 2022 - June 2025

- Lead development of a new open-source product 📦 for collecting and forwarding Azure logs which has dramatically improved the customer setup experience and drastically increased the volume of logs collected
- Developed and deployed Azure API crawlers on Kubernetes as part of a microservices architecture for collecting and submitting metrics/resource metadata from Azure into Datadog
- Promoted from Software Engineer I to II after roughly 1 year since returning full-time in 2023

**Microsoft Azure - 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

- Worked on extending the Android OS source code to allow for the implementation of custom audio processing 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

## Education

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

B.S. of Computer Science with Software Concentration

GPA: 3.9/4.0 | Dean's List 5 Semesters

Notable courses: Networks & Distributed Systems, Wireless Network Security, Web Dev, Object Oriented Design

## Skills

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### Languages, Frameworks, & Technologies

Python, Typescript, Rust, Go, C#, OCaml, C, SQL

Azure, AWS, GCP, Terraform, Kubernetes, Docker

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

Bash, Linux Utils, Git, GitLab

## Projects

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**doc2ann** 📦 - Python, Typing, Language Parsing September 2023

- Designed a Python CLI to convert Python function docstrings into type annotations for improved type safety
- Published to PyPI for easy installation and use

**Time Helm** 📦 - Kotlin, Android Studio, Compose 2023 - present

- Developed an Android app using modern Android development tooling to gamify time tracking spent working
- Initially created for my sister for her PhD, but recently published to the Play Store for public use

**MOAS Web Client** 📦 - React, TypeScript, Redux, Electron, Bootstrap December 2021 - February 2023

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

**Web Scraper** 📦 - Rust, Networking, Cookies 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