

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