

Education

Georgia Institute of Technology, Atlanta, GA **Aug 2023 - May 2025**

- **Master of Science in Computer Science**, 3.8/4.0

Northeastern University, Boston, MA **Sep 2019 - May 2023**

- **Bachelor of Science in Computer Science**, 3.6/4.0

Work Experience

Datadog, Incoming Software Engineer Intern, New York City, NY **Sep 2024 - Dec 2024**

Amazon, Incoming Software Engineer Intern, New York City, NY **May 2024 - Jul 2024**

Capital One, Software Engineer Intern, Cambridge, MA **Jun 2023 - Aug 2023**

- Modeled credit card transactions as knowledge graphs and generated graph embeddings for analytics such as predicting relations between accounts and merchants or finding similar merchants.
- Improved fraud classification model's performance by 8% with automatic hyperparameter tuning.

Amazon, Software Engineer Intern, New York City, NY **Aug 2022 - Dec 2022**

- Developed a serverless big data ingestion system running daily on AWS with EventBridge, Lambda, S3, and Glue Spark jobs to process terabytes of customer search data.
- Enabled more relevant product landing pages and better shopping experience for customers across 20+ countries/marketplaces.
- Implemented operational excellence through AWS CloudWatch alarms, dashboards, and automated recovery mechanism for Glue jobs to save time for on-call.

Capital One, Software Engineer Intern, McLean, VA **Jun 2022 - Aug 2022**

- Developed a self-service application to automate enterprise tokenization workflows for sensitive data; reduced the amount of on-call incidents by half.
- Implemented backend REST APIs in Python that query a MySQL database and send notification emails to users of the application and relevant stakeholders.

Bayer, Software Developer Co-op, West Sacramento, CA (Remote) **Jun 2021 - Dec 2021**

- Developed a web application for data analytics and visualization of bioassay data; automated the workflow of crop scientists and researchers.
- Implemented CI/CD using GitHub, Docker, AWS CodeBuild, and AWS Fargate with Load Balancers.
- Updated millions of rows of taxonomy data with Python on Amazon RDS for PostgreSQL.

Khoury College of Computer Sciences, Teaching Assistant, Boston, MA **Jan 2021 - May 2021**

- Held weekly office hours for CS 2810, which covered Python, linear algebra, machine learning, and statistics; assessed 300+ students and provided feedback on weekly assignments and exams.
- Collaborated with Professor Kevin Gold and other TAs; responded daily to Piazza questions.

Skills

Languages: Python, Java, SQL, JavaScript, TypeScript, C, C++, HTML, CSS

Technologies: Git, Linux, Amazon Web Services (AWS), Spark, Flask, Plotly Dash, Lit, React, Docker

Projects

Discord Bots (Personal) - Python, TypeScript, SQLite

- Built various bots to help manage Discord communities (100,000+ members). Bots are hosted 24/7 to monitor text channels and automatically respond to messages or commands.