AVERY WINTERS-MCCABE

awintersmccabe@gmail.com | Linkedin | Github | +1-(410)-294-8316

Work Experience

Amazon **Sunnyvale, CA**
Software Development Engineer, Builder Foundations **August 2024 – Present**

- Implemented authorization on all read-only APIs for a legacy product to improve service security posture.
- Resolved 50+ customer issues by collaborating with team members and stakeholders
- Designed and implemented a customer-facing "OneBox" experience to enable safe, limited-scope deployment of experimental code in production.
- Developed a comprehensive load testing suite to track latency and prevent performance regressions in production, which reduced runtime-related latency issues by 90%.

Amazon Web Services (AWS) **Santa Clara, CA**
Software Development Engineer, Migration Hub Strategy Recommendations (MHSR) **July 2023 – August 2024**

- Built an integration test suite for machine learning-powered microservice within MHSR product.
- Implemented a default machine learning feedback system for machine learning-powered microservice using AWS Lambda, Step Function, and S3.
- Developed Java REST APIs, adapting quickly to evolving product feedback.
- Maintained the AWS Modernization Scenario Calculator and addressed customer-reported issues in collaboration with the team.

Software Development Engineering Intern, EC2 **June 2022 - August 2022**

- Prototyped a machine learning-driven architecture recommendation feature for AWS Migration Hub Recommendation Service.
- Partnered with mentors and teammates to design scalable solutions for a complex recommender systems problem.

RetailMeNot Inc. **Remote, CA**
Software Engineer I **June 2021 - January 2022**

- Refactored authentication infrastructure across the product suite into a centralized Okta-powered service using Spring Boot and Java 11.
- Built full-stack features for the cashback product using GraphQL and React, enhancing the user experience.

AMDS Consulting **Remote, NC**
Software Engineer Intern **February 2021 - June 2021**

- Developed NLP features and automated SQL templates to improve data pipeline efficiency and reporting for enterprise clients.
- Maintained and refactored production Python services in collaboration with senior engineers to improve reliability and code quality.

Education

Carnegie Mellon University **San Jose, CA**
Master of Science in Software Engineering *May 2023*
Davidson College **Davidson, NC**
Bachelor of Science in Computer Science *May 2021*

Technical Skills

- *Programming Languages & Frameworks*: JAVA, Python, JavaScript, Go, SQL, Swift, GraphQL, Spring Boot, React, Node.js, Flask, Express
- *Cloud & DevOps*: AWS, Docker, Load Testing Frameworks
- *Data & Machine Learning*: TensorFlow, Pandas, NumPy, Jupyter, Machine Learning Pipelines, Data Filtering & Classification
- *Tools & Databases*: MySQL, SQL Server, Git, Okta, REST APIs, Integration & Load Testing, Agile/Scrum