

SAMI RAHMAN

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EXPERIENCE

Scale AI

Dec 2023 – Present

Advanced Programmer – AI Training (Contract)

Atlanta, GA

- Context: Scale AI wants to train large language models to help cutting-edge generative AI models write better code.
- Software Engineering:
 - Analyzing AI prompts and writing functional and efficient code to assess AI Models in Python and Java
 - Evaluating the quality of and creating robust test cases for AI-generated code based on ethical guidelines

VMware Inc.

Feb 2022 – April 2023

End User Computing - Software Development Engineer I

Atlanta, GA

- Context: This team's product is an IT admin tool used to troubleshoot customer issues through video/screen-sharing, command-line access, and filesharing; codebase includes everything from app deployment to video packet routing.
- Software Engineering:
 - Built tooling to automatically test app functionality using Appium/Selenium in C# leading to the reduction of the number of issues reported by customers and reducing time for deployments
 - Utilized Ansible to scale the automation testing framework to multiple operating systems for 95% test coverage
 - Increased code testing coverage by expanding unit and integration tests to reduce development and testing cycles
- Technical Leadership:
 - Documented milestones, resources, and project code flow to aid in project onboarding of 4+ team members
 - Set and documented learning direction for software engineering intern to push impactful automation code

VMware Inc.

May 2021 – Aug 2021

VMware Engineering Services - Software Development Engineer Intern

Atlanta, GA

- Built out feature for returning and replacing asset materials in the team's data center asset management tool
 - Established feature communication with the Nlyte Data Center Management API via routing calls using NestJS for backend and VueJS for frontend
- Created a sustainability application using Flask and Angular with a team for VMware's Intern Hackathon

VMware Inc.

May 2020 – Aug 2020

End User Computing - Software Development Engineer Intern

Atlanta, GA

- Engineered a clientless video conferencing/messaging solution using ASP.NET Core SignalR and WebRTC
- Constructed the app's signaling channel for peer-to-peer connection using WebRTC JavaScript APIs via WebSockets
- Utilized Django Web Framework to develop a wellness application for VMware's Intern Hackathon

Panasonic Automotive Systems of America

Aug 2019 – Dec 2019

Software and Systems Engineer Intern

Peachtree City, GA

- Developed a diagnostics app for Waymo HUD using Java/XML in Android Studio to be used factory-side
 - Achieved diagnostics for front/rear interfaces, front/rear cameras, and sound system
- Used integration testing procedures to test diagnostics app's functionality using the Android Debug Bridge

Network Dynamics Lab

Jan 2019 – Aug 2019

Living Building at GT – Software Developer

Atlanta, GA

- Created an augmented reality iOS app to aid environmental education using ARKit, SpriteKit, and SceneKit libraries
- Deployed app for the \$30 million Kendeda Fund to use augmented reality to showcase eco-friendly feedback systems

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master of Science in **Computer Science**

Aug 2024 – May 2028

Concentration: Machine Learning

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in **Computer Science (Honors)**

Concentrations: Artificial Intelligence and Human-Computer Interaction

Relevant Courses: Object-Oriented Programming, Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Programming & Organization, Intro to AI, Machine Learning, Computer Vision

SKILLS / INTERESTS

- **Programming:** Java (proficient), Python (proficient), C# (proficient), JavaScript (intermediate), C (intermediate)
- **Frameworks / Tools:** Node.js, Vue.js, Nest.js, Git, Docker, Jira, Confluence, SQL