

SAMI RAHMAN

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• U.S. Citizen

EDUCATION

Georgia Institute of Technology

Atlanta, GA

Candidate for Bachelor of Science in **Computer Science**

Aug 2017 – Dec 2021

- **Concentrations:** Intelligence and People
- **Relevant Courses:** Object-Oriented Programming, Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Programming & Organization, Intro to AI, Machine Learning

SKILLS / INTERESTS

- **Programming / Framework Languages:** Java (proficient), Python (proficient), HTML/CSS (intermediate), Javascript (intermediate), C (intermediate), C# (novice), Swift (novice)
- **Applications / Tools:** Node.js, Vue.js, Nest.js, IntelliJ, Android Studio
- **Languages:** English (native), Bengali (proficient)
- **Interests:** Literature, Philosophy, Economics, Traveling, Hiking, Swimming, Video Games, Basketball

EXPERIENCE

VMware Inc.

May 2021 – Aug 2021

VMware Engineering Services - Software Development Engineer Intern

Atlanta, GA

- Built a feature for the team's Data Center Asset Management tool using NestJS and VueJS
 - Return Asset Material feature assists Data Center Engineers in decommissioning and replacing assets
- Established feature communication with the Nlyte Data Center Management API via routing calls
- 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
 - Solution aids IT Admins in troubleshooting enterprise app issues on end users' personal devices
- 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 a mobile app to increase occupants' environmental education through spatial awareness
 - Used Swift's ARKit, SpriteKit, and SceneKit libraries to allow augmented reality functionality
- Deployed app for the \$30 million Kendeda Fund to use augmented reality to showcase eco-friendly feedback systems

Earth Traders Game

May 2019 – July 2019

Objects and Design Project - Project Member

Atlanta, GA

- Developed an Android app with a team of 4 following MVC design principles
- Implemented game universe, buy and sell functions, travel functions, random events, load/save functions
- Conducted code reviews and Junit tests on the program

EXTRACURRICULARS

Chi Psi Fraternity (Alpha Iota Delta)

Jan 2019 – Jan 2020

- Managed a philanthropic event in which we raised \$1200 for the Atlanta Community Food Bank
- Lead and aided brothers in creating and implementing new ideas for 20+ students interested in rushing

University of Virginia Medical Center

June 2014 – July 2015

Summer Volunteer

Charlottesville, VA

- Filed documents for stroke patients, and provided administrative support to Cardiology Department
- Supported emergency responders/receptionists and surgical suppliers