

# Sami Saifudin

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## EDUCATION

**George Mason University - GPA: 3.91**

*Fairfax, VA*

Bachelor of Science, Computer Science

*Expected Graduation December 2025*

- Relevant Coursework: Data Structures & Algorithms, Introduction to Low-Level Programming, Software Engineering, Object-Oriented Programming, Systems Programming, Multivariable Calculus, Discrete Math
- Awards: Dean's List all semesters, Honors College

## SKILLS

- **Programming Languages:** Python, Java, C, HTML/CSS, JavaScript
- **Technologies/Frameworks:** UiPath Automation, React.js, Node.js, Git, Unix, Gradle, OpenCV, JUnit, Yolo V5, vSLAM, Google Suite, Mac OS, Microsoft Teams, SharePoint, TensorFlow, NumPy

## WORK EXPERIENCE

**WillowTree**

*Charlottesville, VA*

*Software Test Engineering Intern*

*May 2024-Present*

- Technology Used: Python, TypeScript, Git, Azure DevOps, Docker, Postman, OpenAI api

**George Mason University**

*Fairfax, VA*

*Undergraduate Teaching Assistant*

*January 2023 – Present*

- Effectively assists roughly 400 students per week by providing comprehensive guidance on Python, Java, and C programming concepts, troubleshooting coding challenges, and clarifying course materials.
- Respond to and provide resolution to student inquiries through Piazza.
- Communicate and collaborate with instructors while holding weekly laboratory sessions.
- Conduct review sessions for exams on a different range of topics involving Python, Java, and C programming including data structures, file manipulation, unit testing, and debugging.

**Heartland Consulting**

*McLean, VA*

*Robotic Process Automation Developer Intern*

*June 2023 – August 2023*

- Developed automation solutions using UiPath Studio to streamline invoice management for Navy vendors, incorporating screen scraping to enhance data retrieval from vendor websites.
- Orchestrated the organization and enhancement of the company's SharePoint platform by updating task lists across various sites.
- Attended team meetings to provide regular updates on project progress and discuss the implementation of UiPath automation solutions.

## Projects

**JC&ME**, JavaScript, Supabase, Webpack, OpenAI

*May 2024 – June 2024*

- Developed an application that extracts dates from syllabus text and populates users' Google Calendars.
- Utilized OpenAI to parse syllabus text and return academic dates in JSON format allowing for a seamless integration with Google Calendar.
- Implemented Supabase for backend database management and the Google Calendar API to populate users calendars with extracted dates.

**Environmental Safety Navigation**, Java, OpenCV, vSLAM

*October 2023*

- Designed a vSLAM like AI system meant to assist individuals with visual impairments in navigating diverse environments that won 1st place at PatriotHacks for Best AI-Powered Hack.
- System blends artificial intelligence based on visual inputs with haptic feedback, delivering instant recognition and monitoring of objects in real time, effectively eliminating extraneous information.
- Using Java, developed a neural network architecture to deliver precise haptic feedback indicating the direction and proximity of surrounding objects, enhancing user safety.

**NBA MyPlayer Builder**, Python

*December 2022 – January 2023*

- Developed a command-line NBA 2K MyPlayer Builder simulator.
- Designed custom classes to represent player attributes and define behavior.