

# Christopher Alex

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## EDUCATION

### George Mason University Honors College

Fairfax, VA

*Bachelor of Science in Computer Science – GPA 3.66/4.0*

*Expected Graduation: May 2026*

Organizations: Theta Tau Engineering Fraternity, Computer Science Club

Relevant Coursework: Data Structures & Algorithms, Formal Methods and Models, Full Stack Web Development, Linear Algebra, Discrete Mathematics, Calculus I/II/III (Computer Systems, Intro to Databases, & Statistics in Fall 2024)

### St. Paul VI Catholic High School

Chantilly, VA

*Advanced Diploma (with highest honors) — GPA: 4.07*

*Graduated June 2022*

National Merit Scholarship Winner, President of Computing and Technology Club

## EXPERIENCE

### Software Engineering Intern

May 2024 – August 2024

*Sotatek*

*Remote*

- Conducted research for the development of an AI predictive model that forecasts real estate/property values, with a focus on the efficacy of various machine learning methods, including Long Short-Term Memory (LSTM) networks
- Contributed to a non-technical project aimed at modernizing and enhancing Sotatek's promotional tools, improving the company's pitch effectiveness to potential clients
- Demonstrated strong analytical, problem-solving, and teamwork skills by participating in diverse projects and collaborating with both technical and non-technical personnel

### Capital One Tech Mini Mester

July 2024 – August 2024

*Capital One*

*Remote*

- Selected as 1 of 70 participants for a highly competitive 5-day immersive program focused on advancing technical and soft skills, connected with 8+ Capital One Senior Leadership members and 50+ Capital One Software Engineers, actively engaged in workshops around Node, NPM, JS, and other tools used at Capital One
- Developed a CLI-Based project in 24 hours using Javascript to build a virtual wardrobe that intelligently selects outfits based on current weather conditions and user preferences, and presented in front of Capital One leadership

### Summer Intern

June 2023 – July 2023

*Trianz*

*Herndon, VA*

- Collaborated with Trianz employees in managerial roles to develop a better understanding of AWS MAP (Migration Acceleration Program), discussed potential methods of adapting Trianz's Concierto.Cloud, a program that assists customers with their digital transition to AWS Cloud hosting, to incorporate the MAP framework
- Developed and lead training session for 16 software engineers, introducing the major concepts of AWS MAP, its purpose, use cases, and its benefits

### Undergraduate Teaching Assistant

January 2023 – present

*George Mason University*

*Fairfax, VA*

- Providing educational support to GMU students in CS programming courses, providing detailed feedback and mentorship, resulting in students' improved performance and full understanding of curriculum and coding practices

## PROJECTS

### Motion Matrix | *Django, Docker, SQLite, AWS, Git*

April 2024

- Developed a full-stack web application for comprehensive workout and fitness tracking, featuring individual accounts, personal records tracking, and customizable workout routines
- Built by a team of 5 CS students using JS, HTML/CSS, Django, SQLite, and Github for collaboration

### Strawhat CPU Scheduler | *C, Linux*

September 2024

- Designed and implemented CPU scheduling algorithms within a custom task manager program, Strawhat
- Developed conditional scheduling mechanisms, optimizing CPU resource allocation and improving task prioritization and execution efficiency with manual memory allocation/deallocation to emulate multitasking

## TECHNICAL SKILLS

**Certifications:** AWS Certified Cloud Practitioner, Codepath Intermediate Technical Interview Prep

**Languages:** Java, Python, JavaScript, C, HTML/CSS

**Frameworks/Technologies:** Django, Node.js, Linux, Bootstrap, SQLite, Git