

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