

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 to be completed 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

Relevant Coursework: AP Computer Science A, AP Computer Science Principles, AP Statistics

TECHNICAL SKILLS

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

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

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

EXPERIENCE

Capital One Tech Mini Mester

July 2024 – August 2024

Capital One

Remote

- 1 out of 70 exclusively selected to participate in a 5-day immersive experience to enhance technical and soft skills
- Built a CLI-Based coding project in 24 hours and presented in front of Capital One leadership
- 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

Software Engineering Intern

May 2024 – present

Sotatek

Remote

- Conducted in-depth research and analysis for the development of an AI-powered predictive model to forecast property and real estate values, with a focus on evaluating 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

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, and its benefits

Undergraduate Teaching Assistant

January 2023 – present

George Mason University

Fairfax, VA

- Providing educational support to GMU students in fundamental Python-based programming courses, including detailed feedback and mentorship, resulting in students' improved performance and complete understanding of course material and coding practices

PROJECTS

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

April 2024

- Full stack web application that serves as a comprehensive workout and fitness tracking system, with key features such as individual accounts, personal records trackers, custom workout routines, etc.
- Built by a team of 5 CS students using JS, HTML/CSS, Django, SQLite, and Github for collaboration

Online Store Ordering System | *C*

November 2023

- Order tracking system built entirely with C with functionality for adding, removing, organizing/merging orders for multiple customers
- Practiced efficient manual memory allocation and deallocation with focus on minimized memory leaks

Pocket Trainer (Hoohacks Hackathon) | *Django*

March 2023

- Conceptualized a design plan for an application, Pocket Trainer, at Hoohacks (University of Virginia Hackathon) that tracked daily user workout data and sent mobile notifications to the user to encourage them to meet their fitness goals
- Participated in workshops discussing Django, React, and Twilio API

Splicer (HackBI Hackathon) | *JavaScript*

November 2018

- Collaborated with senior students over a 24-hour hackathon to conceptualize and design Splicer, an app that provided students access to a network of approved tutors in their local area
- Splicer won in category for Best App Design