John Fulkerson

Computer Science Student

Home: McLean, VA, 22101

School: Newark, DE, 19711

johnfulky@mac.com

johnfulkerson.com

EDUCATION

University of Delaware, Newark, Delaware — *Computer Science BS*

Fall 2022 - Expected 2026

Concentration - Systems and Networks

Cumulative GPA - 3.85 (Computer Science Courses 3.96)

Dean's List - Fall 2022, Spring 2023, Fall 2023, Spring 2024, Fall 2024, Spring 2025

Activities - UD Sailing Team (Commodore; Spring 2025 - Fall 2025. Boatswain; Spring 2024 - Fall 2024.

EXPERIENCE

CoStar Group, Arlington, Virginia

Technology Intern   June 2025 - August 2025

Collaborated on CoStar's first infrastructure-based generative AI framework to scale AI-powered content creation across all products. Built with TypeScript and AWS services, the system improved workflow speed, accuracy, and cost efficiency.

University of Delaware, Newark, Delaware

Resident Assistant   August 2023 - May 2025

Served two years as a Resident Assistant, overseeing 60 residents in apartment-style housing during my second year and 20 residents in dorm-style housing during my first year. Focused on building community through events, ensuring safety, and enforcing residence hall policies.

University of Delaware, Newark, Delaware

Lab Assistant   March 2023 - Present

As a Lab Assistant at the Pearson Hall Makerspace, I support daily operations by assisting users, managing machine queues, and maintaining both Physical and Digital Fabrication areas. In addition, I lead a senior design team developing a full-stack application to streamline makerspace processes, enabling staff, students, and deans to track space usage and finances through customizable, real-time dashboards.

ActionQuest, British Virgin Islands

Scuba Instructor   *Summer 2024*

As a Dive Instructor at ActionQuest, I was responsible for teaching scuba diving to students ages 12-16. I led dives and ensured the safety of all students both in water and out of water through physics, health, and diving lessons. I was also responsible for creating a positive and inclusive community within the program and ensuring all students feel welcome and supported.

Technical Skills

Languages - TypeScript, JavaScript, Python, C, Java

Web - React, Node.js, HTML/CSS

Cloud & DevOps - Github, Azure DevOps, AWS Services (EKS, DynamoDB, S3, Step Functions), Docker

Tools - VS Code, Git

PADI Scuba Diving Certifications

Open Water Scuba Instructor

Emergency First Responder Primary and Secondary Care Instructor

Care for Children w/ AED Instructor

Dive Against Debris Instructor

AWARE Coral Reef Conservation Specialty Instructor PADI AWARE Instructor

AWARDS

McLean HS PTSA Achievement Award as the outstanding student in the Performing Arts Department

Fairfax County Public Schools, Fairfax, Virginia

Event Service Technician   August 2022 - August 2025

I provided technical support for high-stakes events such as superintendent and school board meetings. I specialize in live audio, lighting, streaming, and laptop support for training. With strong problem-solving skills and attention to detail, I ensure smooth event execution and clear communication with all required internal and external clients.

Student Technician   October 2019 - August 2022

In high school, I was involved with the theater program and was hired by the county to oversee paid events in the auditorium. My responsibilities included managing technical aspects like lighting, sound, and projections, as well as serving as the primary point of contact for clients, ensuring smooth communication and satisfaction during events.