HAMZA NASHER-ALNEAM

STUDENT

Overview

I am an incoming UMBC undergraduate student with a passion for learning and an interest in software development, system management, and cybersecurity.

Leadership

At Centennial, I was one of the leaders of the Web Development club, which aims to teach other students full-stack web design. We have lessons every other week to teach web development basics, as well as tools and technologies.

I co-founded the Game Dev Club at Broadneck High School to create a space for anyone interested in computers and software development to collaborate and build projects. It is also an officially registered [Hack Club](), which gives the club support and opportunities. In the first year, we had 9 members who met weekly to showcase their work and give presentations about topics like creating engaging games and versioning code, and the club has continued to grow even after my departure.

I was the chief editor of my middle school newspaper in 7th grade, where I wrote a variety of satire articles, edited the articles of other students, and created a website for the newspaper.

Skills

I have worked primarily with JavaScript and NodeJS creating full-stack web apps, but I am also comfortable in several other languages, including Python and Java. I am familiar with industry tools like Git, VS Code, GitHub, and Jetbrains IDEs like Android Studio, as well as some of the technologies used in cloud services, on servers, and in web hosting, including Linux.

Clubs

At Centennial, I vas a member of the A team in our CyberPatriots club, where we compete in nation-wide cybersecurity competitions, as well as the Pyoneers club, which teaches high schoolers and middle schoolers in the area Python.

I was a member of the Broadneck Robotics Club, where I wrote code for my team. Throughout the 2023-2024 season, we participated in multiple local competitions, learning from our losses to improve our robot. Our efforts paid off near the end of the season, when we made it into the VEX Robotics State Championship.

Achievements

In 2023, a friend and I competed in the [MAGIC CTF cybersecurity competition](), facing off against teenage programmers from across the country, and winning third place.

In February of 2024, a friend and I competed in the STEP challenge by MAGIC, creating and developing a developer profile application, which won the best technology and best overall awards for 500 dollars. The application we created is available at [fetchcv.hnasheralneam.dev]().

In December of 2024, a friend and I won the 1st place in the Beginners track of a day-long high school hackathon in Maryland, [QuHacks](), with our game [Medium Rare]().

Volunteering

During my senior year in 2024-2025, I taught Python for the Pyoneers club in-person at the local Burleigh Manor Middle School, as well as at my high school Centennial and online for another middle school in the county.

Throughout my 9th grade summer, I volunteered at [ECO City Farms](), a nonprofit farm in Prince George's County that sells affordable fresh vegetables in food deserts.

Education

For the senior year of high school, I attended Centennial High School in Ellicott City, MD. In my junior year of high school, I was enrolled in Broadneck High School. Before that, I had spent time in both Montessori and homeschool.

Contact

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