

Mohamed Hosh

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EDUCATION

The Ohio State University

Columbus, OH

Bachelor of Science in Computer Science, Minor in Math, GPA: 3.6

Expected May 2026

Awards/Honors: Morrill Scholar, Second-Year Transformational Experience Program(STEP)

Relevant Coursework: Data Structures and Algorithms, Software Development and Design, Low-Level Programming and Computer Organization, Operating Systems, Fundamentals of Engineering, Web Applications

Organization: NSBE, CodePath, ColorStack, Collaborative Software Development Club, SSA (Mentor)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Angular, Python, HTML, C++, Unit Testing, x86 Assembly, SQL

Software: Eclipse, Android Studio, Visual Studio, CSS, Git

Frameworks: React, Node.js, Junit, Linux, Unix, Express.js, MongoDB, REST API

WORK EXPERIENCE

Aleph Innovations

Columbus, OH

Front-End Development Intern

March 2024 – June 2024

- Enhanced the front-end of the company's website using HTML, CSS, and JavaScript, ensuring a modern, responsive, and user-friendly interface that significantly improved user engagement and experience.
- Collaborated with back-end team to integrate dynamic content and manage data with SQL.
- Implemented interactive features like user authentication and real-time updates, boosting functionality.

City Columbus Parks and Recreation Department

Columbus, OH

Web Developer/ Front-end Engineer(Research Intern)

April 2023 – Aug 2023

- Collaborated within a six-member team to construct an accessible website and intuitive software, successfully ensuring the distribution of over 100,000 meals to kids without access to food beyond school hours.
- Engaged directly with end-users to gather feedback on software usability and functionality, leading to iterative improvements and modifications to both the website and software for enhanced user experience.
- Architecting a comprehensive Project Manager interface that provides functionalities like Overdue Review, Site Sequencing, and integration with additional applications.

PROJECTS

OSUARNAV HACKOHIO/O(Java, JavaScript, React, Front-end Development)

- Developed OSUNARV, an AR-enhanced indoor navigation app using JavaScript and React.
- Applied design thinking to craft intuitive, real-time navigation solutions.
- Incorporated real-time AR updates for dynamic and adaptive indoor navigations.

Final Schedule Viewer(Java, Spring Boot, MongoDB, HTML, CSS, JavaScript)

- Developed a full-stack web application used by over 300 students at the university for finals scheduling.
- Scraped OSU's API data into JSON files for backend management using Python.
- Deployed the app with a custom domain, achieving near-perfect uptime during peak winter scheduling.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow

Washington, DC

Career Preparation Fellow

Oct 2023 – Present

- Accepted into a selective 18-month professional development program for high-achieving diverse talent
- Complete business case studies and assignments to grow leadership and technical skills
- Attend conferences hosted by industry leaders, such as Deloitte, LinkedIn, and Target

Minorities in Tech

Columbus, OH

President and Co-Founder

April 2024 – Present

- Led initiatives to support underrepresented students in STEM careers, enhancing preparation and job access.
- Orchestrated bi-weekly Leetcode sessions to prepare students for interviews and improve their readiness.
- Showcased software engineering excellence with talks by esteemed FAANG engineers.
- Championed diversity in tech by promoting equitable STEM education and expanding opportunities.

ADDITIONAL SKILLS AND INTERESTS

Artificial Intelligence, Software engineering, Front-end engineering, Comedy and reading books