

# 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, Advancing Programming Principles, Discrete Structures, Software Components

**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, Ruby, Swift

**Software:** Eclipse, Android Studio, Visual Studio, CSS, Git, MySQL, XCode

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

## WORK EXPERIENCE

### Walmart Global Tech

Columbus, OH

Incoming Software Engineering Intern

Jan 2025 – May 2025

### The Ohio State University

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.
- Enhanced user experience with a user-friendly interface and seamless AR integration.

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

- Developed a full-stack web application used by over 500 students at The Ohio State University for finals scheduling. Visit [osufinals.com](https://osufinals.com) for details.
- Scraped data using Python scripts from OSU's API, converting it into JSON files for effective backend data management.
- Implemented a RESTful backend with Java Spring Boot and MongoDB, alongside a user-friendly front end using HTML, CSS, JavaScript, and Bootstrap.

## 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, Data Management, Problem Solving, Software Engineering