Mohamed Hosh

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EDUCATION

The Ohio State University   Columbus, OH
Bachelor of Science in Computer & Information Science GPA: 3.6   Expected May 2025
Awards/Honors: Buckeye's First Scholars, Second- Year Transformational Experience Program (STEP)
Relevant Coursework: Data Structures and Algorithms, Low-Level Programming and Computer Organizations, Web Applications, Software Development and Design, Operating Systems, Software Components, Fundamentals of Engineering
Organizations: NSBE, CodePath, ColorStack, Collaborative Software Development Club, SSA(Mentor)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, HTML, C++, React, C language, Unit Testing, x86 Assembly
Software: Eclipse, Android Studio, Visual Studio, CSS, GitHub
Frameworks: React, Node.js, Junit, Linux, Unix, Express.js, MongoDB, REST API

WORK EXPERIENCE

Undergraduate Teacher Assistant   Columbus, OH
Teacher Grader Assistant for Introduction to Java   Aug 2023 – May 2024
- Conduct office hours to support and assist over 150 students during the week
- Grade coding assignments submitted by students and provided feedback for better coding
- Collaborated closely with the course instructor to develop and refine teaching materials, ensuring the highest quality of instruction and consistency in the learning experience for all students

TECHNICAL 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

Finals 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 pink winter scheduling

Tournament & Prayer Scheduler (HTML, CSS, JavaScript, AWS)
- Designed a dynamic website via AWS S3, showcasing tournament schedules, serving 1,000+ users with event and dining details
- Leveraged an Athan API integration to auto-detect user locations, providing real-times and countdowns

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 Apple, LinkedIn, and Dell Technologies

Minorities in Tech   Columbus, OH
Co-Founder/ President   April 2024 – Present
- Led initiatives to provide STEM career support for underrepresented students, enhancing preparation and job access
- Orchestrated bi-weekly Leetcode sessions, meticulously preparing students to excel in interviews and become interview-ready candidates
- Championed diversity in tech by promoting equitable STEM education and expanding professional opportunities
- Showcasing software engineering excellence with captivating talks by esteemed FAANG engineers

ADDITIONAL SKILLS AND INTERESTS

Artificial Intelligence, Software engineering, Backend engineering, Comedy, Reading books