

Yusef Harb

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Professional Summary

Aspiring Software Engineer with strong experience in full-stack development, system administration, and problem-solving across academic and professional settings.

Education

Iowa State University

Bachelor of Science, Software Engineering

Exp. Grad: Dec 2025

Experience

Senior Technician

Iowa State University ITS Endpoint

Ames, IA

Oct 2022 – Present

- Troubleshoot and resolve complex IT issues both remotely and onsite, ensuring swift solutions for university employees.
- Manage IT equipment setup, imaging, and lifecycle using MECM, Active Directory, and in-house administrative tools.
- Provide high-quality customer support, oversee ticketing systems, and coordinate equipment installation and repairs.
- Lead a team of 12 student technicians, optimizing daily operations and workflow efficiency.
- Develop training materials, conduct technician training, and mentor new hires to enhance technical skills and problem-solving abilities.

Projects

Fullstack Developer

GridAI (Senior Design)

Jan 2025 – Present

- Develop a full-stack web platform for real-time electric grid visualization and management across utility, residential, and educational use cases.
- Use TypeScript and React to contribute scalable frontend features including collaborative file editing, dynamic dashboards, and real-time node monitoring.
- Integrate WebSocket communication, Firebase authentication, and Dockerized services for seamless multi-user interaction.
- Collaborate in a six-member Agile team with weekly demos, GitLab CI/CD workflows, and regular feedback from faculty and industry partners.

Frontend Developer

Geoexplore (Software Development Practices)

Jan 2024 – May 2024

- Led a four-person team, facilitating meetings and maintaining collaboration throughout development.
- Resolved front-end bugs and improved UI responsiveness to enhance user experience and app stability.
- Built an Android app using Java, REST APIs, MySQL, WebSockets, Google Maps API, CI/CD, and Git for city-citizen interaction.
- Earned Honorable Mention for Best Project and voted Best Team Leader in class.

Technical Skills

Languages: Java, C# (.NET), Python, C, C++

Web Development: React/React Native (Next.js), JavaScript/TypeScript, Node.js, Tailwind CSS, HTML/CSS

Backend/DB: MySQL, PostgreSQL, MongoDB, Firebase, Express.js, REST APIs, WebSockets

DevOps/Tools: Git, Docker, CI/CD, MECM, Active Directory, Windows, Linux