

Osaid Samman

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OBJECTIVE

Seeking a full time opportunity in Software/Computer Engineering.

EDUCATION

Iowa State University | Bachelor of Science in Computer Engineering, Ames, IA

May 2025

- Cumulative GPA: 3.33; Dean's List 2023 - 2025
- Minor in Business

EXPERIENCE

Research Assistant

October 2025 - November 2025

King Abdulaziz University | Jeddah, Saudi Arabia

- Evaluated multimodal AI models (GPT, Gemini, Meta AI, Grok, Qwen, Leonardo AI, Recraft v3) by designing a controlled image-to-text and text-to-image workflow to assess visual, semantic, and cultural accuracy of AI-generated advertisements and reporting findings to the research team.

Full Stack Developer

June 2025 - September 2025

King Abdulaziz University | Jeddah, Saudi Arabia

- Developed a full-stack academic scheduling system for 100+ departments, replacing manual workflows and reducing scheduling time from 2 weeks to 1 hour using React, TypeScript, Node.js, Express, and Sequelize.
- Designed and implemented secure backend services in 2 days with RESTful APIs, JWT-based role access control, and dynamic admin dashboards, enabling safe faculty scheduling and scalable multi-department deployment.

Animal Science Network Engineer IT Internship

May 2023 - August 2023

Iowa State University | Ames, IA

- Installed and configured network access points and research cameras for 50+ devices across multiple locations and farms, enabling reliable connectivity for research systems.
- Troubleshoot hardware, software, and AV issues, reimaged machines, and handled domain registration, ensuring stable system performance and minimal downtime.

IT Technical Support

August 2021 - December 2021

Iowa State University | Ames, IA

- Provided technical support for software and hardware to students and faculty via walk-ins and a ticketing system, ensuring timely resolution of IT issues.
- Maintained and set up 20+ devices per day, including computers, printers, and projectors, troubleshooting network issues and installing essential software to keep university systems operational.

PROJECTS

Coin Control - Financial Planner Android Application

- Built an Android budgeting and expense-tracking app using Java and Spring Boot, integrating an SQL database to store and manage user financial data, enabling efficient personal finance management for multiple users.

MIPS Processor - Computer Architecture Project

- Designed and implemented a single-cycle and pipelined MIPS processor using VHDL and MIPS assembly, optimizing CPU design and debugging with ModelSim to ensure accurate execution and demonstrate software-hardware interactions.

Roomba CyBOT Pizza Delivery Simulation - Autonomous Vehicle Project

- Programmed a Roomba CyBOT with C for autonomous pizza delivery using UART, interrupts, PuTTY, and sensors, enabling navigation and obstacle avoidance in cluttered environments.

SKILLS

Programming Languages: Java, C, C#, Python, JavaScript, TypeScript, HTML, CSS, SQL, MIPS Assembly, Verilog, VHDL, JSON, XML, Bash

Frameworks & Tools: React, Node.js, Express, Sequelize, MongoDB, Spring Boot, Bootstrap, Tailwind, Unity, REST APIs, JWT, Postman, CI/CD, JUnit, Git/GitHub, Docker, ModelSim, Quartus Prime, PuTTY

Platforms & Methodologies: Linux (Red Hat, Ubuntu), VS Code, IntelliJ, Eclipse, Agile, Scrum

Certifications: Google IT Support Professional Certificate

Languages: English, Arabic