

Umair Qidwai

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EDUCATION

The Ohio State University

Bachelor of Science in Computer Science, Minor in Business

- Honors Engineering Program | GPA: 3.9/4.0

Columbus, OH

Sept. 2024 – May 2028

Harvard University

CS50 course

Online

June 2025 – Nov. 2025

Google Project Management

Certificate From Coursera

Online

June 2023 – Nov. 2023

- Learned Agile & Scrum methodologies, sprint planning, risk management, and project execution strategies

EXPERIENCE

Manufacturing System Operations Co-op

American Honda Motor

Aug. 2025 – Current

Columbus, IN

- Enhanced PRTG Monitoring System by optimizing alerts and dashboards, reducing downtime incidents by 3%
- Improved Omnivex Moxie Server configuration to streamline real-time manufacturing displays
- Provided ongoing support and maintenance for Honda's high-availability manufacturing line IT systems

AI Software Engineering Intern

EZO Solution

May 2025 – July 2025

Austin, TX

- Developed a context-aware AI chatbot using a vector database for real-time, domain-specific Q&A
- Built and deployed a full-stack AI solution by integrating a lightweight HTML/CSS frontend
- Implemented prompt optimization and embeddings-based search for higher response accuracy
- Integrated PaddleOCR into the AI chatbot pipeline, enabling image-to-text query support and multimodal interaction

Full-Stack App Developer Intern

Cybersense

Aug. 2024 – May 2025

Dublin, OH

- Designed a cross-platform real estate matching app with React Native (Android) and SwiftUI (iOS), delivering smooth and platform-optimized user experiences
- Built and documented RESTful APIs with FastAPI to handle authentication, user profiles, and property queries
- Leveraged Supabase Postgres for scalable data storage and matching algorithm logic
- Developed and deployed an AI chatbot API as an internal prototype, integrated with OpenWebUI for testing

PROJECTS

Smart Home Automation | *Embedded Systems, IoT, MQTT, Yaml, Linux*

June 2022 – Present

- Converted a legacy home security system into a smart, networked solution using an Arduino and Home Assistant
- Engineered a smart garage door opener with a microcontroller, relay, and reed switch
- Designed smart blinds and drawer locks using servo motors and NFC authentication, communicating over MQTT
- Developed a custom Linux-based smart speaker using Python scripts and cron jobs, automating recurring audio reminders

Schedule Planner | *React, MYSQL, Git*

May 2024 – Oct. 2024

- Built a scheduling web app for OSU students with React frontend and MySQL backend
- Implemented advanced features: search, filtering, and prerequisite validation for optimized class scheduling
- Collaborated with peers using GitHub Projects for task management and code reviews

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres/MySQL), JavaScript, Swift, HTML/CSS, MATLAB

Frameworks: React, React Native, SwiftUI, Node.js, Flask, JUnit, WordPress, FastAPI, n8n

Developer Tools: Git, Docker, Google Cloud Platform, AWS, VSCode, Linux, Supabase, Cloudflare, Nginx, REST API

Libraries: NumPy, PyTorch, TensorFlow, pandas, scikit-learn