Waleed Alfar

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EDUCATION

Arizona State University — Tempe, AZ
Bachelor of Science in Computer Science — *Expected May 2027*

EXPERIENCE

Undergraduate Teaching Assistant — Aug 2025 – Oct 2025
Arizona State University — *Tempe, AZ*
- Selected for a competitive teaching assistant position to support instruction in C++ programming
- Expected to assist with labs, grading, and student support under the guidance of the course instructor
- Will hold weekly office hours and lead exam review sessions to reinforce key topics and provide individualized academic support

Founder — Oct. 2023 – Present
Wrafla Solutions — *Tempe, AZ*
- Founded and operated a freelance web development business providing modern website solutions to clients.
- Developed and deployed a fully responsive website using HTML, CSS, and JavaScript, optimized for desktop and mobile devices.
- Delivered a professional, client-branded website with user-friendly navigation, contributing to increased customer engagement.

PROJECTS

Archyx AI | *Python, JavaScript, FastAPI, Google Apps Script, Gemini API, LangChain, Supabase*
- Built a full-stack AI document management system using Python (FastAPI, LangChain, Celery) and Google Apps Script to automate classification, summarization, tagging, and organization of Google Drive documents.
- Developed a retrieval-augmented generation (RAG) pipeline using Gemini 2.0 Pro and Chroma, enabling real-time semantic search and LLM-powered responses grounded in source documents.
- Managed storage of metadata and file relationships in Supabase, supporting intelligent queries and analytics.
- Automated file intake using Google Drive API handling recursive folder traversal and file detection

First Response AI | *Python, Langchain, Pinecone, Flask, ChatGPT API*
- Developed an intelligent medical chatbot using LLMs via LangChain, enabling users to query healthcare information in natural language with context-aware responses.
- Implemented semantic search using Pinecone vector database to retrieve relevant documents based on user input, improving accuracy of LLM responses.
- Built a Flask-based web server to handle user queries, manage API calls, and serve a responsive frontend for live chatbot interaction.
- Designed and deployed a semantic search system with Pinecone to retrieve medically relevant embeddings, reducing irrelevant responses by an estimated 60–70%

Spring Boot API Service | *Java, SpringBoot, Maven*
- Developed and deployed a REST API using Spring Boot and Java, leveraging dependency management with Maven for efficient build and version control.
- Implemented Spring MVC controllers to handle HTTP requests and responses, enabling robust and scalable API endpoints.
- Utilized dependency injection through the Spring IoC container to promote loose coupling and improve testability.

Sweet Home Bakery | *HTML, CSS, Git*
- Developed and deployed a responsive website using HTML, CSS, and JavaScript, improving user accessibility
- Implemented semantic HTML and SEO best practices to improve search visibility.
- Utilized CSS Flexbox to build an intuitive, structured layout for document search and result viewing.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS
Developer Tools: Git, Docker, Postman, Google Cloud Services
Libraries/Frameworks: Springboot, Langchain, FastAPI, Flask, Maven