

ALEXANDER FAROUZ

703-939-4983 ♦ alexfarouz@gmail.com ♦ alexfarouz.com ♦ github.com/alexfarouz ♦ https://linkedin.com/in/alexander-farouz-1433g

Education

George Mason University – Honors College

Expected Graduation: May 2025

Bachelor of Science in Computer Science

GPA: 3.94/4.00

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Low-level Programming, Software Engineering, Analysis of Algorithms, Computer Systems and Programming, Quantum Algorithms, Introduction to AI

Skills

Languages: Python, Java, TypeScript, JavaScript, HTML, CSS, C, C++, R

Technologies: Azure, Langchain, React, Next.js, Node.js, FastAPI, Flask, OpenAI API, Groq, Pinecone

Experience

Horizon Labs

Remote

Software Engineering Intern

August 2024 – Active

- Implemented backend API integrations using FastAPI, streamlining communication between frontend and Azure services
- Developed server-side logic and database management with Azure SQL and Blob Storage, optimizing storage and retrieval
- Collaborated with cross-functional Scrum teams to integrate LLM processing using Langchain, leveraging FastAPI libraries to enhance natural language understanding capabilities

Headstarter AI

Remote

Software Engineering Fellow

July 2024 – September 2024

- Building 5+ AI apps and API's using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users
- Developing projects from design to deployment leading 3 engineering fellows using MVC design pattern
- Coached by Amazon, Bloomberg and Capital One engineers on Agile, CI/CD, Git and microservice patterns

CloudStation

Los Angeles, CA

Webmaster

May 2024 – Active

- Engineered fully functional website for CloudStation using React.js, HTML, CSS, and JavaScript
- Features comprehensive forms to allow for business inquiries and other interests between client and vendors
- Over 1000 visits by venue owners/managers, business owners and potential clients. <https://www.cloudstationusa.com/>

George Mason University

Fairfax, VA

Computer Science Teaching Assistant

January 2023 – Active

- Worked/working as teaching assistant for CS310 (Data Structures and Algorithms, Java), CS211 (Object-Oriented Programming, Java) and CS112 (Introduction to Computer Programming, Python)
- Answered student questions on projects on online forum (Piazza), aiding 3000+ George Mason CS students
- Assisted students with lab assignments during lab periods and proctored tests for all courses

Projects

Pam Playground

August 2024

- Created an AI customer support agent for car dealerships to take customer calls, schedule appointments, inquire inventory
- Utilized WebSockets and streaming techniques to achieve sub 1000 ms response times included with live transcriptions
- TypeScript and Next.js frontend, JavaScript and Node.js backend with STT and TTS APIs from Deepgram with Llama3 API

RecMyProfessors

August 2024

- Developed a RateMyProfessors chatbot allowing users to get professor details based on filters, classes, ratings, etc.
- Built a web scraping server using Python, Selenium and BeautifulSoup to gather professor data from 100+ universities
- Frontend built with Next.js + React, backend built with Javascript + OpenAI API with storage using Firebase and Clerk auth

Awards/Certifications

Hackathons: Headstarter Hiring Hackathon Finalist, 2024;

Honors College Dean's List: Fall 2022, Spring 2023, Summer 2023, Fall 2023, Spring 2024, Summer 2024

Johns Hopkins University: HTML, CSS, and Javascript for Web Developers