

MUSTAFA ALJUMAYLI

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Education

University of North Carolina at Chapel Hill

Aug. 2021 – May 2025

Bachelor of Science in Computer Science

Chapel Hill, NC

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript/TypeScript, SQL

Developer Tools: VS Code, Eclipse, IntelliJ, Docker, Git, Vite, Node.JS, Express.JS, OpenShift, RESTful API

Technologies/Frameworks: Angular, React, GitHub, Tableau, Pygame, MS Office Suite, MongoDB, PostgreSQL

Experience

University of North Carolina at Chapel Hill

March 2024 – Current

OASIS Data Visualization Engineer

Chapel Hill, NC

- Conducted an analytical review of BeAM Makerspace utilization data to assess the return on university investments, informing budget decisions by correlating user engagement with financial outputs. Slashing unnecessary spending by thousands of dollars.

University of North Carolina at Chapel Hill

August 2023 – Current

OASIS IT Technician

Chapel Hill, NC

- Streamlined in-office computer deployment processes, orchestrating the setup and distribution of 8 machines, which doubled deployment speed and significantly enhanced work efficiency.
- Overhauled the campus-wide print server infrastructure, neglected for years, resulting in a 30% improvement in network port-security and system reliability.
- Developed and led a comprehensive training program for new IT staff, focusing on technical responsibilities and client service excellence.

FetchTek, LLC

May 2018 – August 2023

Founder

Raleigh, NC

- Engineered the ascent of a nascent startup to an internationally recognized firm, culminating in annual revenues surpassing \$7 million through strategic diversification in electronics distribution and repair services.
- Curated a rigorous software engineering internship program, recruiting top-tier talent from prestigious universities within North Carolina, culminating in the creation of a robust digital presence via a MERN stack-based corporate web platform, thereby enhancing organizational credibility.
- Revolutionized the company's lead generation framework through innovative social media marketing strategies, including A/B ad testing and referral programs, resulting in a threefold increase in prospective client engagement.

Projects

Quantum Maze Game | *Python, Pygame*

April 2024

- Created a quantum computing version of the maze game that ranked #1 in a UNC Quantum Computing Hackathon.
- My responsibilities included logic design, level design, and model class for the project.

Personal Portfolio | *JS, HTML, CSS, Three.JS, Vite*

February 2024 – Current

- Developed a personal portfolio website utilizing vanilla web technologies with an eye for simplicity and performance. Scheduled for an upgrade to leverage the React Fiber framework to enhance interactivity and user experience.

Csxl.unc.edu | *Angular, RESTful API, SQLAlchemy, Node.JS, OpenShift*

January 2024 – Current

- Designing a system for storing newsfeed posts on the UNC CSXL Experience website with full-stack CRUD capabilities.
- Designed a productivity page that stored a list of pomodoro timers with full-stack CRUD operations capabilities.
- Worked with a team and was directly involved in routing, view, and admin-side development.

Fetchtek.com | *MongoDB, Express.JS, React, Node.JS*

June 2023

- Developed a company website to boost company branding and credibility. Will be revised in the future to serve as a platform that allows users to trade electronics with FetchTek and see market data from the prices of electronics trading on the website.

Leadership

EMPWR Solar Virginia Office

Summer 2020

Market Development Manager

EMPWR Solar

- Strategized with the CEO, COO, Office managers, and sales director to collect market data for a new pipeline.
- Led door-to-door sales training events alongside the director of sales to establish a workforce for a new office in Charlottesville Virginia.