

Mohammad Alfaiz

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EDUCATION

University of Illinois Chicago

Chicago, IL

Intended Bachelor of Science in Computer Science

Aug. 2023 – May 2027

- **Relevant Coursework:** Program Design I (Python), Program Design II (C++), **Mathematical Foundations of Computer Science (Discrete Math)**, **Linear Algebra**, Calculus II, Calculus III, **Data Structures and Algorithms (C++)**, Programming Practicum (C), Technical and Professional Communication in Computer Science
- GPA: 3.87

TECHNICAL SKILLS

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

Frameworks and Libraries: Node.js, React.js, Tailwind CSS, Django, NumPy, Matplotlib, Pygame, Pandas

Developer Tools and Platforms: Xcode, VS Code, Figma, Dreamweaver, Vercel, Firebase, Expo, Git/GitHub

TECHNICAL EXPERIENCE

Data Analytics Intern

May. 2024 - Aug. 2024

University of Illinois Chicago LTS Team

Chicago, IL

- **Extracted and processed** student and course activity data from the university's online learning platform.
- Queried and cleaned raw data using **SQL and Python** (Pandas, NumPy) to prepare it for analysis.
- Conducted **exploratory data analysis (EDA)** to uncover patterns in student engagement, tool usage, and course activity trends.
- Built **data visualizations** and **dashboards** to communicate insights on performance and resource usage to faculty.

UIC Engineering Success Program Mentor

Aug. 2025 - Present

University of Illinois Engineering Success Program

Chicago, IL

- Facilitated ENGR 100/101 first-year courses by **leading classroom sessions** of up to 32 students, **supporting academic success** and transition into the College of Engineering.
- Provided academic and administrative support, including grading assignments, **maintaining communication** through a shared mailbox, and holding weekly office hours.

Morgan Stanley Early Insights Program

Spring 2025

Morgan Stanley

Remote

- Selected for a **competitive program** providing exposure to the financial services industry through workshops, networking, and mentorship.
- Participated in the technical group, where I gained exposure to Morgan Stanley's **technical operations** and how they intersect with financial services.

PROJECTS

Botzy.AI | React, Node.js, PostgreSQL, Supabase

January 2026 - Present

- Designing and developing a **no-code platform** for creating and deploying **personalized AI chatbots**, enabling non-technical users to build and embed conversational chatbots.
- Implementing a **Retrieval-Augmented Generation (RAG) pipeline** using **Deepseek embeddings** for document-aware, context-rich chatbot responses.
- Building a **scalable backend** with Node.js/Express and **Supabase for authentication**, database management, and **API integration**, while developing a React/Tailwind frontend for bot creation and interaction.

MyUIC Mobile App | React Native, JavaScript, Expo, Firebase

January 2025 – February 2025

- Developed a **mobile application** to streamline access to UIC resources, integrating essential student services such as **course registration**, **event tracking**, **transcript access**, and **campus navigation**.
- Implemented a **secure login system with React Navigation** for seamless authentication and session management.
- Designed an **intuitive UI** with interactive grid-based navigation, utilizing React Native components and Expo icons for accessibility.
- Integrated **deep linking** to UIC portals for effortless access to online campus services.