AHMAD SHEIKH-KHALIL

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Education

University of Michigan — Expected May 2026
B.S in Computer Science — *Ann Arbor, MI*

Relevant Coursework: Data Structures and Algorithms, Machine Learning, Computer Architecture, Web Systems, Computer Security, Linear Algebra, Computational Linguistics, Discrete Math

Experience

Olo Inc. (NYSE: OLO) — June 2024 – August 2024
Software Engineer Intern — *New York City, New York*

- Designed and implemented a scalable information retrieval system for the Olo and Wisely dashboard using **C# and SQL**, enabling the fast retrieval of data from **millions of daily orders** and improving query response times by **85%**.
- Implemented fuzzy search, page rank, and dynamic filters, helping users quickly locate stores without manual browsing.
- Optimized indexing and queries, reducing server load by **25%** and ensuring scalable performance under heavy traffic.

HOPE — April 2023 – April 2024
Software Engineer — *Ann Arbor, MI*

- Developed a responsive web and mobile app using **React, Node.js, HTML,** and **CSS** compatible across all devices.
- Designed and implemented **4** app sections—health clinics, sexual, physical, and mental health—delivering **50+** resources. Optimized backend APIs to handle **10,000+** monthly requests, driving a **60%** increase in users.
- Tested with **40** users, incorporated feedback, and achieved **95%** satisfaction, significantly improving app quality.

Leadership

Muslim Tech Collaborative — January 2025 – Present
Vice President of External Affairs — *Ann Arbor, MI*

- Spearheaded marketing on LinkedIn and Instagram pages, engaging **500+** students and boosting online presence.
- Sourced **5** external projects for MTC, securing **$5,000+** in funding and advancing members' career growth.
- Worked on high-impact collaborations with Alif Summit and Muslim Tech Fest to create networking and educational opportunities, enhancing the club's visibility and member engagement.

Projects

OloWrapped | *(Go, HTML, CSS, Templ, SQL)* — **August 2024**

- Created a Spotify Wrapped inspired application to generate yearly summaries of user data for restaurant customers.
- Designed a database schema and wrote SQL queries to extract key insights, like frequent order times and top dishes.
- Designed and implemented a **dynamic template system** for customizable annual reports, seamlessly integrating with Olo's Engage suite to support marketing and loyalty strategies.

Verdicto | *(Next.js, FastAPI, PostgreSQL, Supabase, OpenAI API, Chart.js)* — **May 2025**

- Building an AI litigation analytics platform that generates case summaries and legal dashboards using real court data.
- Automates court scraping and GPT-4 summarization pipelines to deliver real-time legal insights for attorneys.

RentScoper | *(React Native, Node.js, Express, Firebase, SQLite)* — **April 2025**

- Built an app that helps users analyze rental prices by comparing neighborhoods, historical trends, and live listings.
- Implemented real-time filters, saved listing tracking, and offline data access to improve usability and engagement.

Technical Skills

Languages: C++, C#, Typescript, Python, JavaScript, HTML/CSS, Go, SQL, Ruby
Frameworks/Libraries: Django, Vue.js, Node.js, React/Redux, Git, Github, Gitlab, Express.js, Linux/Unix, Postgres
Interests: Hiking, Cinematography, Soccer, Graphic Design, Pickleball, Camping, Chess