

Fawaz Omidia

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EDUCATION

University of Toronto

Toronto, ON

Bachelor of Science in Computer Science and Astrophysics GPA: 3.7

Expected Graduation: May 2026

- **Relevant Coursework:** Distributed Systems, Software Design, Data Structures and Algorithms, Theory of Computation, Multi-variable Calculus

TECHNICAL AND PERSONAL SKILLS

Languages: Python, C/C++, MySQL, JavaScript, HTML/CSS, Swift, Java

Frameworks: React, React Native, Node.js, Flask, Django, Shadcn, Strapi, MongoDB, Material-UI, Next.js, TailwindCSS

Developer Tools: Git, AWS, GCP, VS Code, Docker, linux

Libraries: pandas, NumPy, Matplotlib, Tkinter

Personal Hobbies: Varsity Basketball Captain and Coach, Tutoring, Piano and Guitar, Anime

Specialized Skills: Data processing, relational databases, linear programming

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer Intern

May 2024 - August 2024

Motivz | Javascript, React Native, Supabase PostgreSQL, Auth0, Github, Figma

Toronto, ON

- Reduced app crashes by 20% by implementing user authentication using Auth0 and OAuth in React Native.
- Enhanced user engagement by integrating geolocation-based algorithms to suggest nearby nightclubs.
- Streamlined beta testing with over 50 users on TestFlight, gathering feedback for product improvements.
- Designed UI architecture and product roadmap using Figma, enabling a scalable development process.

Literature Mapping Research Assistant

June 2023 – October 2023

University of Toronto

Toronto, ON

- Visualized relationships between CS education methodologies using data mapping tools.
- Presented novel findings at SIGCSE Research Symposium, recognized by 500+ educators and peers.
- Authored and co-refined a research paper, contributing actionable insights to CS education literature.

FREELANCE PROJECTS

Hair Salon Booking Website | *React, JavaScript, Strapi, RESTful API, Next.js,*

May 2024

- Boosted client bookings by 45% by developing and deploying a scalable full-stack booking platform using React and Strapi.
- Optimized appointment scheduling efficiency by 30% through dynamic availability fetching via REST APIs.
- Enhanced user engagement by implementing responsive, modern UI components tailored to client needs.
- Streamlined communication by automating booking confirmations with Resend for clients and business owners.

Spotify Recommendation System | *Java, Spring Boot, Spotify Web API, HTTPS, MongoDB*

August 2024

- Enhanced user engagement by developing a web application that tailors personalized Spotify recommendations using Spotify Web API and Java.
- Achieved seamless integration with Spotify accounts by implementing secure HTTPS protocols and OAuth authentication.
- Delivered dynamic and accurate song recommendations by processing user listening habits with RESTful APIs and MongoDB for data storage.
- Improved application performance and scalability by leveraging Spring Boot for backend architecture and React for a modern, responsive frontend.

ACTIVITIES

UofT NSBE Hack the 6ix Hackathon | *Cohere, Python, Django, React, MongoDB, HTML/CSS*

Feb 2024

- Constructed a robust Chatbot for social support. Leveraged Twilio's APIs for SMS notifications effectively.
- Facilitated roles between team members to outline project road map under time constraints.
- Enhanced Cohere Large Language Model API to reduce hallucinations by 37% using RAG methodologies.