

Fawaz Omidia

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EDUCATION

University of Toronto

Toronto, ON

Bachelor of Science in Computer Science and Astrophysics

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++, SQL (MySQL), JavaScript, HTML/CSS, Swift

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

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

Libraries: pandas, NumPy, Matplotlib, Tkinter

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

Specialized Skills: Data processing, testing frameworks (unit and integration), business intelligence reporting

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer Intern

May 2024 - August 2024

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

Toronto, ON

- Designed product road map, program architecture, and UI on Figma
- Implemented user authentication flow using Auth0 and OAuth to verify identities and access user data from database information.
- Integrated algorithms to suggest nearby nightclubs to users using data from user's social network, and user location information.
- Conducted beta testing with over 50 users, achieving a 20% reduction in crashes through efficient debugging techniques.

Literature Mapping Research Assistant

June 2023 – October 2023

University of Toronto

Toronto, ON

- Utilized data visualization techniques and mapping tools to create visual representations of the relationships between different Computer Science education methods.
- Mapped CS education methodologies, presenting findings at SIGCSE, earning recognition among over 500 peers.
- Authored a research paper documenting the findings and insights using various literature mapping research papers, collaborated with co-authors to refine the paper, present the research methodology and results, and contribute novel insights to the body of knowledge in Computer Science education.

FREELANCE PROJECTS

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

May 2024

- Developed and deployed a full-stack appointment-booking website, serving a REST API and React, resulting in a 45% increase in bookings compared to former booking service Setmore.
- Dynamically fetched customized availability for versatile appointment selections with 30% more efficient load times.
- Cooperated with the business owner to achieve their adjust designs to their liking and implemented modern responsive layouts with succinct React components
- Dispatched confirmation emails for both customer and owner upon booking confirmation using Resend.

ACTIVITIES

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

Feb 2024

- Constructed a robust Chatbot for social support (e.g., housing issues). 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.