

# 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: November 2026*

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

## PROFESSIONAL EXPERIENCE

### Backend Engineering Intern

May 2025 - August 2025

*Shopify | Ruby, Ruby on Rails, GraphQL*

*Toronto, ON*

- Contributed to the Product Extensibility team, building features that enhanced merchant and customer experience for **1M+ businesses**.
- Engineered scalable backend services in Ruby on Rails, **increasing merchant sales by up to 30%**.
- Collaborated cross-functionally to deploy extensible product APIs, enabling merchant customization.
- Improved system observability and debugging with GraphQL introspection and internal tools.

### Full Stack Software Engineer

February 2025 – Present

*Semantic Technology Services | React, JavaScript, Python, AWS*

*Remote*

- Developed MVP web products using React and Python, **accelerating client onboarding by 40%**.
- Implemented interactive UIs and RESTful APIs to validate product-market fit for early-stage concepts.
- Collaborated with clients to iterate on technical requirements and deliver custom features under tight timelines.
- Improved frontend performance by **25%** through code refactoring and component optimization.

### 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.

## TECHNICAL AND PERSONAL SKILLS

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

**Frameworks:** React, React Native, Node.js, Flask, Django, Shadcn, Strapi, MongoDB, Next.js, TailwindCSS

**Developer Tools and Libraries:** Git, AWS, GCP, VSCode, Docker, Linux, pandas, NumPy, Matplotlib, Graphite

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

## FREELANCE PROJECTS

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

May 2024

- Boosted client bookings by **45%** by developing 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.

## 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.