

# Faiz Mustansar

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## EDUCATION

### University of Guelph

Sept 2023 – Apr 2026

*Bachelor of Computing Honours in Computer Science*

*Guelph, Ontario*

- **Relevant Coursework:** Object-Oriented Programming (OOP), Data Structures, Software System Development & Integration, Systems Analysis and Design, Software Engineering, Database Systems & Concepts
- **University of Waterloo (Visiting Student):** User Interfaces

## EXPERIENCE

### Software Developer Intern

May 2025 – Present

*Brown & Beatty*

*Remote*

- Built and shipped features for a multi-role platform to manage **employer–union relationships**, supporting onboarding, secure file uploads, and staff/employee data syncing.
- Developed **multi-step onboarding workflows** for 4 user roles, including bulk **CSV ingestion**, permission logic, and dynamic dashboards — reducing manual onboarding time by **60%**.
- Delivered full-stack components using **Next.js**, **Tailwind CSS**, **Prisma**, **Node.js**, and **PostgreSQL**, contributing across the entire **SDLC**.

### Full-Stack Developer

May 2025 – Present

*Gordon S. Lang School of Business and Economics, University of Guelph*

*Guelph, ON*

- Built a full-stack clothing rental and student tracking platform using **Next.js**, **Supabase**, and **Python**, managing **100+ inventory items** and **200+ student records** through a centralized admin dashboard.
- Developed secure auth flows and real-time updates, reducing manual tracking tasks by **50%** and improving staff response time by **30%**.
- Implemented **automated email reminders** for rental returns, cutting overdue items by **40%** and decreasing follow-up workload for staff.
- Migrated **7+ Excel-based data sets** into a cloud-native backend, standardizing schema and improving data query ability and **report generation speed by 40%**.
- Collaborated with 3 faculty stakeholders to deliver iterative MVPs, reducing system downtime and streamlining workflows by an estimated **35%**.

### Undergraduate Research Assistant

May 2024 – Mar 2025

*University of Guelph*

*Guelph, Ontario*

- Designed and deployed an AI-powered chatbot using **retrieval-augmented generation (RAG)** and the **ChatGPT API**, enabling automated responses to **100+ student inquiries per week** and reducing faculty workload by **40%**.
- Researched the intersection of AI and education, focusing on **data transparency**, **ethical design**, and responsible use of conversational models in academic environments.

## TECHNICAL PROJECTS

**uoguelph.courses** | *Next.js, TypeScript, Supabase, Python, Tailwind CSS*

[uoguelph.courses](https://uoguelph.courses)

- Led a **5-person Agile team** to build and launch a full-stack academic planner used by **1,000+ students/month**, streamlining degree tracking and course selection.
- Implemented dynamic filters, progress maps, and role-based views using **Next.js** and **Tailwind CSS**.
- Automated ingestion of **1,000+ course records** with **Python**, syncing data via **Supabase REST APIs**.
- Featured in **GuelphToday** for impact on student academic planning tools.

**OlympicPredictor** | *Python, Pandas, R, Next.js, Tailwind CSS*

[olympicpredict.vercel.app](https://olympicpredict.vercel.app)

- Placed **2nd out of 259 teams** for building an Olympic medal predictor with **85% accuracy** using **Pandas**, **R**, and **Next.js** to visualize country medal trends.

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, C, SQL, HTML, CSS, R

**Frameworks/Libraries:** React, Next.js, Node.js, Express, Tailwind CSS, Flask, FastAPI, Pandas, Chart.js **Tools:** Supabase, MySQL, REST APIs, Docker, Linux, Bash, Git, GitHub Actions, CI/CD, Jira, ClickUp, Figma, VS Code, Eclipse, ChatGPT API, Google Gemini (LLM)