Emaad Qazi

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Education

Wilfrid Laurier University - Lazaridis School of Business & Economics **Sept 2023 – June 2028**
Double Degree Bachelor of Business Administration and Bachelor of Computer Science (BBA/BSc) *Waterloo, Canada*

Technical Skills

Languages: Python, Java, JavaScript, Typescript, Swift, C, HTML5, CSS3, SQL, VBA
Frameworks & Libraries: React, NodeJS, ExpressJS, Pandas, NumPy, Scikit-Learn, Flask, Spring Boot
Database & Cloud: MySQL, MongoDB, PostgresSQL, Supabase, Firebase, Azure Data Factory, AWS, Azure, GCP, Docker
Developer Tools: GitHub Actions, Xcode, Git, Postman, Azure DevOps, Jira, Linux, Claude Code, Vercel, Railway

Experience

IBM **May 2026 – Present**
Software Engineer Intern *Toronto, Canada*

- Built a Python/YAML automation framework that reduced IBM's 11-step ELM server rename process to a single command across distributed Linux/Windows VMs, **reducing execution time by 87%**
- Automated **1,000+ report generation via Playwright**, saving **200+ hours** of manual testing and validating database configuration flags for customer cases per month

Mattamy Asset Management **January 2026 – April 2026**
Software Engineer Intern *Toronto, Canada*

- Engineered a machine learning pipeline for lead scoring using **Random Forest**, **Gradient Boosting**, and **Logistic Regression** algorithms, achieving **92% recall** and **89% AUC**, improving prediction accuracy from **7% to 50%**
- Deployed full-stack internal CMA tool using TypeScript, MySQL, and Node.js, with **RESTful CRUD APIs**
- Built and deployed ETL pipelines in Azure Data Factory to process **30M+ records**, improving efficiency by **4%**

Samsung **May 2025 – August 2025**
Data Analyst Intern *Toronto, Canada*

- Deployed ML model using scikit-learn's Random Forest Classifier to flag irregularities for daily inventory data
- Developed supply chain cross-shipping automation using Python, VBA, and MySQL to process **5,000+ SKUs** across inventory workflows, saving **120+ hours/month** across **6 planners** and reducing task completion time by **95%**
- Built automation in Python (pandas, NumPy) to process **100,000+ SKUs** daily, reducing data retrieval time by **60%**

Apple **November 2021 – February 2022**
Software Engineer Intern - Information Communication Technology SHSM *Toronto, Canada*

- Prototyped ***LiftEats*** iOS fitness app using **Swift** and **Xcode**, achieving **81% accuracy** in workout personalization
- Pitched **8-minute** product presentation to **500+** Apple Canada attendees on app functionality and marketability

Projects

FitQuest | *2nd place - $2500 cash prize, 190+ teams* **SpurHacks 2025**

- Deployed full stack fitness web app with computer vision during 36 hour Hackathon with over **2,000+ participants**
- Shipped **12 distinct features** including custom AI workout agents, CV workout tracking, and JWT authentication

TechTO | *MLH Prize - Best Use of MongoDB Atlas, 130+ teams* **HackThe6ix 2026**

- Engineered Atlas Search, Atlas Vector Search, and 2dsphere geospatial indexes on GeoJSON coordinates to power a RAG pipeline, full-text search, and precise location-based querying at scale
- Fine-tuned a small **Qwen model via SFT** on Polis opinion data, then **RL/GRPO-tuned** against custom probes to simulate calibrated resident reactions to city policy changes

RouteGuard | *2nd place - $250 cash prize, 40+ teams* **UmmahHacks 2026**

- Developed a security-focused firewall to safeguard and regulate autonomous AI-driven cryptocurrency trading agents

Extracurricular Activities

Laurier Supply Chain Association **May 2025 – Present**
Vice President of Software Engineering *Waterloo, Canada*

- Deployed a React/TypeScript web app via GitHub Pages and integrated Twilio to power AI-driven chatbot responses

Laurier Computing Society **December 2024 – Present**
Computer Science Tutor *Waterloo, Canada*

- Taught algorithms and beginner CS courses (CP212, CP213, CP312) to over 500+ 1st/2nd year students before exams