

Emaad Qazi

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Education

Wilfrid Laurier University

Waterloo, Ontario

Honours Bachelor of Science in Computer Science – Concentration in Big Data Systems

April 2027

Honours Bachelor of Business Administration – Concentration in Finance

April 2027

Technical Skills

Languages: Python, Java, JavaScript, Typescript, C, HTML5, CSS3, SQL, VBA, Swift,

Frameworks/Deployment: React, Node.js, Express.js, Flask, MongoDB, Git, GitHub, Vercel, Railway, Firebase, Postman, Supabase

Cloud/DevOps: AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, CI/CD, Snowflake, Terraform, Apache Kafka, Databricks

Work Experience

Samsung

Mississauga, Ontario

Software Analytics Co-op

May 2025 – August 2025

- Built unified inventory tracking system using **MySQL** queries and **VBA automation** to connect **12,000+ materials** with **1,500+ containers**, eliminating **100%** of manual database lookups and reducing data retrieval time by **60%**
- Developed automated cross-shipping logic system using **Excel VBA** and **Power Query** to process **5,000+ data entries**, reducing manual work by **120+ hours monthly** for Supply Chain team and improving file **efficiency by 23%**
- Automated inventory forecasting reports using **VBA** across Consumer Electronics divisions doing **\$350M in revenue per month**, reducing **manual report generation time by 40%** and streamlining reporting processes

Apple (ICT SHSM)

Toronto, Ontario

Software Engineer Intern

December 2021 – February 2022

- Developed a **fitness app prototype, LiftEats**, using **Swift** and **Xcode** to create **activity tracking metrics with 81% accuracy**, personalized workout recommendations, and integrated nutritional tracking system
- Delivered a presentation to Apple Canada representatives with an audience of over **500 attendees**, articulating app functionality and business impact to support product positioning & marketability initiatives during an 8-minute Q&A

Laurier Supply Chain Association

Waterloo, Ontario

Software Engineer

May 2025 – Present

- Building full-stack LSCA platform using **React/JavaScript** frontend and **Node.js/MongoDB** backend to enable **500+ attendees** to register seamlessly per event, featuring real-time scheduling synchronization and email notifications
- Creating intelligent chatbot with **Gemini API** and **Express.js** backend integrated with **React** frontend to deliver **24/7** automated responses for event logistics and inquiries, cutting manual support requests **by 60%**

Laurier Computing Society

Waterloo, Ontario

Software Engineering Tutor

January 2025 - Present

- Led exam prep workshops for over **200+** first year CS students, covering Python fundamentals and DSA concepts
- Delivered live coding demonstrations to simplify complex topics and improve final exam readiness

Projects

[FitQuest](#) | 2nd place Spurrhacks - \$2500 cash prize, 190+ teams

MERN | Railway | MongoDB | Gemini | MediaPipe

- Designed & deployed a full-stack fitness platform featuring **MediaPipe-based computer vision** for form tracking & custom generative AI chatbots via **Gemini API**, earning **\$2500** and **finishing 2nd place out of 190 teams (450+ competitors)**
- Collaborated with 2 team members using **GitHub** for **version control** and code integration to build out secure user authentication, social features, sprite customization, activity tracking dashboard, and an RPG themed UI

[Mindful Harmony](#) | Full stack Gen AI Web Application.

MongoDB | Flask | React | Spotify API | Gemini | Typescript

- Deployed and collaborated with 3 other developers to build a responsive frontend using **React**, **Typescript**, & **Tailwind CSS**
- Engineered **Flask-based** backend architecture integrating **Spotify** and **Gemini APIs** to deliver personalized playlist generation and AI-powered journaling capabilities, leveraging **MongoDB** data storage to personalization

[Fitness Tracker](#) | Full Stack Web Application

CI/CD | GitHub Actions | Flask | SQL | Supabase | Railway

- Deployed a Full-Stack Fitness Web Application with **Flask** backend using **SQLite** database & secure user authentication
- Integrated **Supabase** for cloud database management and real-time data synchronization with user-specific media uploads, deployed with **Railway** with automated **CI/CD pipelines via GitHub Actions** for optimized development workflow