

Faraan Javaid

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EDUCATION

University of Toronto

Toronto, ON

B.Sc. in Mathematical Sciences (Honours), Minor in Computer Science + PEY CO-OP

Expected Grad Apr. 2026

- Certificate in Computational Linguistics

EXPERIENCE

Full-Stack Software Developer Intern

May 2024 – April 2025

Northbridge Financial Corporation

Toronto, ON

- **Tech:** Angular, C#, .NET, SQL
- Delivered serverless **.NET/C#/Angular full-stack features** while tracking user stories, tasks, and bugs in **Azure DevOps** to improve functionality and system reliability of complex insurance systems.
- Designed and implemented a **backend validation system** for an automated claim service that aided thousands of internal and external users and helped to **reduce process time by 70%**.
- Collaborated with Business Systems Analysts and cross-functional teams to deprecate a legacy database and **migrate critical data** to a modern local application, unlocking greater flexibility for future enhancements.
- Built and maintained **OpenAPI specifications** for RESTful APIs, conducted end-to-end testing with Postman, and worked with QA teams to resolve production issues and deploy hotfixes-minimizing downtime while meeting sprint deadlines.

PROJECTS

Opalescence: Productivity App

GitHub

- **Tech:** TypeScript, Next.js, Go, Postgres, OAuth2
- Collaborated in a **cross-functional Agile team** to deliver Opalescence on time across six two-week sprints.
- Designed and implemented a **responsive frontend** using TypeScript and Next.js, integrating it with Go-based RESTful APIs and OAuth2, to boost user engagement and secure data flow.
- Tested and validated API endpoints with **Postman**, verifying secure and reliable data transmission.

Hotel Management System

GitHub

- **Tech:** TypeScript, Angular, C#, .NET, SQL
- Built a **responsive full-stack CRUD** Hotel Management System using an Angular and Typescript frontend, allowing users to manage or reserve rooms based on their role-based permissions.
- Developed secure RESTful API endpoints using an ASP.NET Core and C# backend to **authenticate** users with **JWT** and enforce authorization for both admin and customer operations.
- Designed a **SQL/Entity Framework Core** schema for efficient storage and retrieval of user and booking data.

Image Filter: Http-driven Webpage for Image Filters

GitHub

- **Tech:** JavaScript, HTML, C
- Developed a full-stack bitmap image-filter web app with a C backend, JavaScript/HTML frontend supporting multipart uploads, and Makefile-driven builds, resulting in a **modular and maintainable architecture**.
- Built a processed-based **concurrent HTTP server** using sockets to deliver image filtering with reduced latency.
- Eliminated memory leaks with **Valgrind** and resolved parsing errors and file I/O bugs through systematic testing and error-handling to achieve full reliability across image filter operations.

Accessible Boggle: Adapted for Users with Visual Impairments

GitHub

- **Tech:** Java, Git
- Developed an accessible Boggle game in **Java** as part of a team, collaborating via **Git version control**, and applying OOP and SOLID principles to improve accessibility and drive user engagement.
- Built GUI in JavaFX using **MVC design patterns** for separation of concerns, maintainability, and scalability.
- Spearheaded weekly **Agile SCRUM meetings** that prioritized features, resolved blockers, and aligned expectations across three sprints in eight weeks to improve efficiency and establish timely delivery.

TECHNICAL SKILLS

Languages & Technologies: JavaScript/TypeScript, Python, Go, C#, Java, C, SQL, Bash

Tools/Other: Angular, .NET, Postgres, Git, VS Code, Postman, Swagger/OpenAPI, Azure