

Brandon Fowler

Software Engineer

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Summary

Hardworking, fast-learning, and intrinsically motivated Computer Science student at the University of Waterloo with demonstrated programming and technical skills and an eagerness to solve problems and learn new things.

Technical Skills

- **Languages:** TypeScript, JavaScript, HTML, CSS, Python, PHP, C/C++, C#, Java/Kotlin, Lua, Rust
- **Technologies:** MySQL, Git, Figma, regex, SSH, React, React Native, Vue, Angular, Svelte, Qt, Pega

Work Experience

TD Bank Group

Software Engineer Intern

Summer 2026

- Refactored backend application code and improved log output to aid with future debugging outputs
- Scanned for and resolved vulnerability findings, ensuring our final product protects customer data

TD Bank Group

Software Engineer Intern

Fall 2025

- Independently developed a Pega UI section and data model, enhancing branch colleague experience
- Created Jenkins pipelines and Java Selenium tests, allowing my team to leverage continuous testing
- Designed inter-team XML schemas while ensuring they met the needs of all involved teams

CGI Inc.

Application Developer Intern

Spring & Summer 2025

- Rapidly designed and developed an insurance claims portal with React and Tailwind while showcasing how modern development techniques can be leveraged to the organization
- Updated and enhanced a React Native client app as well as an internal Angular website

Canadian Council for Indigenous Business

TFAB Coordinator Intern

Summer 2023

- Created custom plugins to modernize the CCIB's tools and resource library WordPress site, making it more useful and accessible for Indigenous small business entrepreneurs
- Rewrote a custom WordPress theme to implement design suggestions from an IBM Design audit

Education

University of Waterloo

Honours Bachelor of Computer Science – Business Specialization – Co-op Program

2023 – 2028

- GPA: 3.9
- Courses: Algorithms, Object-Oriented Software Development, Operating Systems, User Interfaces
- Received Term Distinction for all terms
- Computer Science Club and AISES member

Braintoy

Data Scientist Co-op Placement

Spring 2022

- Independently created machine learning algorithms with datasets from Kaggle to analyze stock prices
- Received an academic award for having the highest co-op mark

Projects

WikiNearby wikinearby.toolforge.org

- SPA that access, ranks, and shows nearby articles from the Wikipedia SQL database with an intuitive and stylized UI
- Built using Flask and JavaScript

SkyBlock Auction House www.brandonfowler.me/skyblockah

- Captures data from the Hypixel API, caches items in an SQL database, and processes over 1 million requests per month

Audio Profiles www.brandonfowler.me/audio-profiles

- C++/Qt Windows application allowing user to easily configure and view their default speaker and microphone

Volunteer Work

Hack the North

Hackathon Volunteer

Fall 2023

- Provided event support and supervision to help Canada's largest hackathon run smoothly