

# Camdyn Hamilton

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🔗 [chamilton02.github.io/Portfolio](https://chamilton02.github.io/Portfolio)

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## Education

### York University

Sep 2022 – Jun 2026

Bachelor of Science in Computer Science

Toronto, ON, Canada

- **Relevant Coursework:** Advanced Object-Oriented Programming, Design and Analysis of Algorithms, Operating System Fundamentals, Applied Machine Learning, Introduction to Database Systems, Introduction to Computer Security

## Work Experience

### Royal Bank of Canada (RBC) - Borealis, Project Data Platform as a Service Team

May 2025 – Aug 2025

Full-Stack Developer Co-op

Toronto, ON, Canada

- Built core **Angular components** for RBC's enterprise data platform supporting **high-volume, real-time event flow**.
- Developed **interactive dashboards** improving data visibility for engineering teams.
- Supported backend work in **Spring Boot + PostgreSQL**, building secure REST APIs.
- Ensured UI performance and consistency across RBC's design and data standards.

### Royal Bank of Canada (RBC) - Borealis, UX-Force Team

Sep 2024 – Apr 2025

Full-Stack Developer Co-op

Toronto, ON, Canada

- Shipped **8+ production features** for an ML-powered insights platform used by **approx. 1,500 advisors**, contributing to **\$2M costing savings** and **\$277k projected revenue**.
- Built a **global search interface** with Vue.js + TypeScript for cross-dataset querying.
- Developed **FastAPI endpoints** for saving advisor opportunities and ML insights.
- Created **mock data + automated frontend and backend tests** (Vitest, Playwright, Pytest), improving CI stability.

## Personal Projects

### Hatsumai | Vue.js, TypeScript, Express, PostgreSQL, Knex, Docker, GPT-4o

- Developed a production-grade **AI project generator** designed for maintainability, scalability, and secure user workflows.
- Built a **Vue.js + TypeScript** frontend with responsive layouts, dynamic routing, and improving UX flows.
- Created a **Dockerized backend (Express + PostgreSQL)** with Knex migrations, structured API routes, and session-persistent history.
- Implemented **secure authentication**, password reset emails, and Supabase integration for reliable cloud storage.

### Proj.ai | Angular, Express, Sass, TypeScript, OpenAI GPT-4o, GitHub Actions, Render, Google Analytics

- Built the original **AI project generator MVP** that later evolved into **Hatsumai**, using Angular UI components and Sass styling.
- Integrated **GPT-4o** via an Express backend for prompt engineering and structured recommendations.
- Added **CI/CD pipelines** (GitHub Actions) and **Playwright E2E tests**, with deployment automated through Render.

### Portfolio Website | TypeScript, Vue.js, Sass

- Designed and deployed a responsive portfolio featuring **scroll-based animations**, **dynamic modals**, and a polished UX.
- Built reusable components, improving accessibility, and optimized performance with Vite, lazy-loading, and Sass styling.

## Technical Skills

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

**Frameworks & Libraries:** Angular, Express, FastAPI, Node.js, Playwright, React, Sass, Spring Boot, Vite, Vitest, Vue.js

**Tools & Databases:** Azure Data Studio, Bash, DataGrip, Docker, Git, GitHub, Google Analytics, IntelliJ IDEA, Jira, MySQL, PostgreSQL, PyCharm, Unix/Linux, Visual Studio Code

**Platforms & Services:** Render, Supabase

**Computer Architecture:** RISC-V, Verilog