Camdyn Hamilton

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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

RBC Borealis - *Project Data Platform as a Service Team*   May 2025 – Aug 2025
Full-Stack Developer Co-op   *Toronto, ON, Canada*
- **Led the majority of Angular front-end development** for a **unified platform** handling **high-volume**, **real-time event data** across all RBC lines of business.
- Implemented **interactive graphs and tables** to **visualize complex datasets** for end users.
- Supported **Spring Boot** back-end development with **RESTful API endpoints** and **PostgreSQL** integration for **data distribution** to multiple platforms.

RBC Borealis - *UX-Force Team*   Sep 2024 – Apr 2025
Full-Stack Developer Co-op   *Toronto, ON, Canada*
- Delivered **core features** for a **machine learning-powered Wealth Management advisor insights app**, including a **global search interface** and **API endpoints** for saving opportunities, using **Vue.js**, **TypeScript**, **FastAPI**, and **PostgreSQL**.
- Built **reusable data mocks** and implemented **front-end and back-end testing**, improving **developer efficiency** and **CI reliability**.
- Contributed to a **platform with approximately 1,500 active users**, driving an **estimated $2M in cost savings** and **projected $277k revenue growth** for 2025.

Personal Projects

Hatsumai | *Vue.js, TypeScript, Express, PostgreSQL, Knex.js, Docker, Supabase, Vite*
- Developed a **production-grade AI project generator** as a successor to Proj.ai, emphasizing **scalability** and **maintainability**.
- Built a **Vue.js + TypeScript front-end** with **Vite** and a layered **Express backend** with **PostgreSQL + Knex.js** for robust database management.
- Implemented **secure user authentication**, including **login**, **password reset emails**, and **persistent project history pages**.
- Used **Docker** to create **containerized local development environments**, streamlining testing and onboarding.

Proj.ai | *Angular, Express, Sass, TypeScript, OpenAI GPT-4o, GitHub Actions, Render, Google Analytics*
- Created an **MVP project generator** for Computer Science students using **OpenAI's GPT-4o API**.
- Built an **Angular front-end** with **dependency injection** and an **Express backend** to handle **AI-driven suggestions**.
- Implemented **CI/CD pipelines** with **GitHub Actions** and **automated end-to-end testing** with **Playwright**.

Portfolio Website | *TypeScript, Vue.js, Sass*
- Developed and deployed a **responsive portfolio website** with **interactive animations** and **dynamic modals** for project details.
- Implemented a **grid layout** for the experience section, ensuring **consistent UX across devices**.

Technical Skills

Languages: C, CSS, HTML, Java, JavaScript, Python, SQL, TypeScript
Frameworks & Libraries: Angular, Axios, Bootstrap, Express, FastAPI, Node.js, Playwright, React, Sass, Spring Boot, Vitest, Vue.js
Developer Tools: Azure Data Studio, DataGrip, Docker, Git, GitHub, Google Analytics, IntelliJ IDEA, Jira, MySQL, Playwright, PostgreSQL, PyCharm, Unix, Visual Studio Code
Platforms & Services: Render, Supabase
Computer Architecture: RISC-V, Verilog