

# Camdyn Hamilton

📞 705-737-7231    ✉ [c02hamil@gmail.com](mailto:c02hamil@gmail.com)    🌐 [chamilton02.github.io/Portfolio](https://chamilton02.github.io/Portfolio)    💼 [c-hamilton02](#)    📀 [CHamilton02](#)

## Education

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### York University

Sep 2022 – Jun 2027

*Bachelor of Science in Computer Science*

*Toronto, ON, Canada*

- **Relevant Coursework:** Advanced Object-Oriented Programming (Java), Computer Organization (RISC-V & Verilog), Fundamentals of Data Structures (Algorithms), Introduction to Database Systems (SQL & DBMS)

## Work Experience

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### RBC

Sep 2024 – Apr 2025

*Developer Co-op*

*Toronto, ON, Canada*

- Contributed to the development of a **machine learning-powered internal application** using **TypeScript, Vue, SCSS**, and **Pinia**.
- Collaborated on the development of **8 new full features**.
- Worked in an **agile environment** with a **cross-functional team** of designers, developers, and product managers to ensure **high-quality and accessible web applications**.

### Stone Row Farm Inc.

Mar 2024 – May 2024

*Front-End Developer*

*Remote*

- Built and maintained business web pages using **HTML/CSS, Bootstrap**, and **JavaScript**.
- Communicated with company owners to **gather feedback** and **refine interface designs**, **proposing innovative solutions** to meet evolving requirements.

## Personal Projects

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### Portfolio Website | *TypeScript, Vue.js, Pinia, Axios, SCSS*

- Designed and developed a personal portfolio website to showcase projects and technical skills using **Vue.js**, **TypeScript**, and **SCSS**.
- Enhanced user engagement with **dynamic background animations** using **Vanta.js** animation library.
- Implemented **responsive design principles** to ensure optimal performance across various screen sizes, including mobile devices.
- Integrated **accessibility features** and utilized **Axios** and **Pinia** for efficient data management.

### Password Manager | *Python, Base64.py, Cryptography.py, Random.py, Tkinter.py*

- Crafted a secure Password Manager application in **Python**, employing the **cryptography** and **tkinter** libraries.
- Leveraged cryptographic techniques such as **password-based key derivation** and **Fernet encryption** scheme for enhanced security.
- Devised user-friendly functionalities for managing passwords securely, including **viewing**, **adding**, and **generating passwords**.

### SportIQs | *JavaScript, React, Vite*

- Engineered a sports trivia game using **React**, featuring interactive quizzes and dynamic updates.
- Utilized **Vite** for efficient building and fast development cycles.
- Implemented **state management** to handle user interactions and quiz progress seamlessly.

## Technical Skills

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

**Developer Tools:** Bootstrap, Express.js, Git, IntelliJ IDEA, Jasmine, MySQL, Node.js, PostgreSQL, PyCharm, React, SCSS, Unix, Visual Studio Code, Vue

**Productivity Software:** Excel, Outlook, PowerPoint, Word

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