Camdyn Hamilton

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Education

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

Royal Bank of Canada   Sep 2024 – Apr 2025
Full-Stack Developer Co-op   *Toronto, ON, Canada*

- Contributed to the development of a **machine-learning-powered advisor insights web application**, using **TypeScript**, **Vue.js**, **SCSS**, **Python** and **FastAPI** to enhance functionality and user experience.
- Developed **8 new full features**, including a **global search function** and **functionality for favouriting advisor opportunities** directly supporting business intelligence and decision-making for advisors
- 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*

- Assisted in **building and maintaining business web pages** for a local small business using **HTML, CSS**, **Bootstrap**, and **JavaScript**, applying early-stage development skills to **improve online presence**.
- **Communicated with company owners** to gather feedback and adjust interface designs, **practicing front-end development in a real-world context**.
- Proposed design solutions to align with evolving business needs, **contributing to the overall website strategy** during the initial stages of development.

Personal Projects

Portfolio Website | *TypeScript, Vue.js, SCSS*

- Developed and deployed a **personal portfolio website** using **TypeScript, Vue.js, and Vanta.js**, featuring **interactive animations** and **dynamic user experiences** with advanced libraries like **TypeIt**.
- Implemented a **grid layout** for the experience section, ensuring **organized, responsive design** across both mobile and desktop devices.
- Created a **modal feature** to display detailed project information, enhancing **user interactivity** and **content accessibility**.

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

Languages: JavaScript, Python, TypeScript, Java, SQL, HTML, CSS
Frameworks & Libraries: Vue.js, React, Angular, Node.js, FastAPI, SCSS, Bootstrap, Pinia, Axios, Vanta.js, TypeIt
Developer Tools: Git, Visual Studio Code, MySQL, IntelliJ IDEA, PostgreSQL, PyCharm, Unix, Jasmine
Computer Architecture: RISC-V, Verilog