# Isabelle Kwan

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## Education

**Simon Fraser University**     *Burnaby, B.C.*
*Bachelor of Science in Computing Science (GPA 3.91/4.33)*     *September 2022 – Present*
SFU Entrance Scholarship (with Distinction), CSSS Undergraduate Award, Dean's Honour Roll 2023-2024

## Technical skills

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|---|---|
| **Languages** | JavaScript, TypeScript, Ruby, Python, C, C++, HTML, CSS, x86 |
| **Technologies** | React.js, Next.js, Ruby on Rails, Angular, Bootstrap, Tailwind, Flask, PostgreSQL |
| **Tools** | Git, Matlab, Microsoft Office, Docker, Figma |

## Experience

**Research Intern**     *May 2024 – Present*
*Interactive Experiences Lab · NSERC USRA*     *Burnaby. B.C.*

- Co-authoring 2 Human-Computer Interaction papers to be submitted for review in September.
- Creating scripts to convert user's "study-habits" into interactive visualizations using **VEGA-Lite**.
- Managing 4 projects by facilitating meetings, creating agendas, and assisting in conducting user studies.

**President**     *May 2024 – Present*
*SFU Computing Science Student Society*     *Burnaby. B.C.*

- Effectively managing a team of 15, doubling initiatives and increasing community engagement by **150%**.
- Organized a 5-day Silicon Valley trip for students to network with SFU alumni at large tech companies.
- Lead the organization of FROSH Week which hosted 9 events, over **60** volunteers, and **300** participants.

## Personal Projects

**Personal Profile** | Next.js, Tailwind, HTML, CSS | Link     *May 2024*

- Designed a website using **Next.js, Tailwind**, and **Chakra UI** to showcase my personal projects.
- Leveraged NodeMailer with built-in SMTP protocol to enable secure email functionality through a form.
- Engineered interactive slideshows and customized overlays with **keen-slider** and **JavaScript**.

**Manage Ur Medication (M.U.M)** | Python, Flask, PostgreSQL, Next.js, Docker | Link     *Jan 2024*

- Built a website using **Python, Flask,** and **PostgreSQL** to assist users with tracking their medication intake.
- Created the user interface and front-end pages with a **Next.js** framework and **Material UI** library.
- Containerized front-end, back-end, and database, for easy deployment with **Docker**.

**SFU Fitness Tracker** | Ruby on Rails, PostgreSQL, HTML, CSS | Link     *Sept 2023 - Nov 2023*

- Lead a team of 4 to design, develop, and deploy a web application for beginner's fitness tracking.
- Used **Ruby on Rails** to implement user authentication, search filters, and personalized dashboards.
- Implemented a database for registration, creating goals, and saving exercises to profile with **PostgreSQL.**

**Villain Map** | Angular, TypeScript, HTML, CSS | Link     *Nov 2023*

- Developed a web app for managing 'villain' reports, with **Angular, TypeScript, HTML,** and **CSS**.
- Integrated **Leaflet** API and **OpenStreetMap** for dynamic mapping and visualization of data.
- Persisted reports and locations in a NoSQL database, utilizing an external API for data storage and retrieval.