

# Kevin Wei

✉ [kevin.wei1@uwaterloo.ca](mailto:kevin.wei1@uwaterloo.ca) | ☎ 1-778-863-7538 | in [linkedIn/Kevin-Wei-KW](https://www.linkedin.com/in/linkedIn/Kevin-Wei-KW) | 🐙 [github/Kevin-Wei-KW](https://github.com/Kevin-Wei-KW)

## EDUCATION

### University of Waterloo

MAJOR IN COMPUTER ENGINEERING, HONOURS, CO-OP PROGRAM

Named to Dean's Honour List in 1A term

Waterloo, ON | 2022 - Expected 2027

## SKILLS

**Languages:** Java, JavaScript, TypeScript, HTML, CSS/SCSS, C/C++, Python

**Technologies:** React.js, Vue.js, Spring Boot, Nuxt.js, Node.js, Flask, Selenium, Beautiful Soup, Bootstrap, AOS.js, P5.js, jQuery, Regular Expression, Maven, Git, Cypress

**Database:** H2 Database Engine, SQL, MySQL, Hibernate, HQL

## WORK EXPERIENCES

### CHARTD | WEB APPLICATION DEVELOPER

Remote Work | Jan 2023 - Apr 2023

- Developed a financial data management tool using **Vue.js** for Canadian Defence Industry contracts.
- Abstracted financial data from **JSON** to **TypeScript** objects for display in Tables, Graphs, and Charts.
- Implemented **CRUD** operation components used in **50+** instances throughout the app, complete with Unit Testing and End-to-End Testing with **Cypress**.
- Assisted in using **Nuxt.js** to construct an intuitive and accessible navigation system with **20+** distinct pages.
- Followed **Git** workflow to collaborate cohesively with team members, writing informative **Pull Requests** and documentations.

## PROJECTS

### SIMPLE SHOP

JAVA, JSP, H2 DATABASE, SPRING BOOT, SPRING MVC, HIBERNATE

- A Full Stack e-commerce website developed with **Java**, **JSP**, and **Spring Boot**.
- Applied the MVC architectural pattern with **Spring MVC** for ease of organization and development.
- Configured database with **H2 Database Engine** to store encrypted user and item information.
- Utilised **HttpSession** to customize website display for logged-in users.
- Designed filter to categorize and paginate items with **HQL queries**.

### NON-PROFIT ORG. WEBSITE

JAVASCRIPT, BOOTSTRAP, HTML/CSS, SCSS

- Designed a website with responsive and intuitive UI using **JavaScript** and **Bootstrap** for Math Connect .
- Incorporated **Animate on scroll (AOS)** library to enhance UX fluidity.
- Registered a custom domain (**mathconnect.ca**) visited regularly by 100+ members.

### E-COMMERCE WEB SCRAPER

PYTHON, FLASK, SELENIUM, HTML/CSS, BEAUTIFUL SOUP

- A web scraper for Costco developed with **Python** that dynamically displays scraped content.
- Developed a web application with **Flask** that hosts the web scraper and runs Python scripts with user input.
- Extracted and Parsed **HTML** from target website with **Beautiful Soup** to obtain useful information.
- Designed program to use browser automation technology with **Selenium** to mimic the behaviour of a real user.

## VOLUNTEER EXPERIENCES

### MATH CONNECT | PROGRAM CO-FOUNDER

Richmond, BC | Jun 2020 - Apr 2022

- Co-founded a **volunteer-based** program to teach younger students mathematics on a weekly basis.
- Partnered with a well-established **tutoring agency** to bolster student network and admin system.
- Provided education for **100+ students** and recruited **15+ tutors** since launch.
- Co-developed and hosted a website (**mathconnect.ca**) by parents and students.