Kevin Wei

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EDUCATION

University of Waterloo   Waterloo, ON | 2022 - Expected 2027
Major in Computer Engineering, Honours, Co-op Program

SKILLS

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

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 dynamic and interactive financial models with **Vue.js** to visualize multimillion-dollar contract fulfillment.
- Abstracted financial data from **JSON** to **TypeScript** objects for display in Tables, Graphs, and Charts.
- Implemented **CRUD** operation components used in 30+ 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 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.