Kevin Wei

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EDUCATION

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

SKILLS

Languages: Java, JavaScript, HTML/CSS, C/C++, Python, Racket
Technologies: ReactJS, Spring Boot, Spring MVC, NodeJS, Flask, Selenium, Beautiful Soup, Bootstrap, Requests, AOS.js, P5.js
 Regular Expression, Maven
Database: H2 Database Engine, SQL, MySQL, PopSQL, Hibernate, HQL

PROJECTS

SIMPLE SHOP ⬈   Java, JSP, H2 Database, Spring Boot, Spring MVC, Hibernate

- An online e-commerce hub developed primarily with **Java** that allows items to be posted for sale.
- Developed a Full Stack website with **JSP** and **Spring Boot**.
- Applied the MVC architectural pattern with **Spring MVC** for ease of organization and development.
- Configured login and posting system with **H2 Database Engine** to store encrypted user and posting information.
- Utilised **HttpSession** to customize website display for logged-in users.
- Designed filter to categorize and paginate items with **HQL queries**.

MATH CONNECT WEBSITE ⬈   Javascript, Bootstrap, HTML/CSS, SCSS

- Designed a responsive and intuitive UI with **JavaScript** and **Bootstrap**.
- Incorporated **Animate on scroll (AOS)** library to enhance UX fluidity.
- Embedded **external programs** into website (Google Drive, Google Form, Mail Client).
- Embedded particle simulations for visual and interactive enhancement.
- Registered a **custom domain (mathconnect.ca)** through Replit.

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 bypass anti-scraping measures.

EXPERIENCES

MATH CONNECT ⬈ | Program Co-founder   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.
- Had over **100 students** and 15 tutors since launch.
- Co-developed and hosted a website (**mathconnect.ca**) for ease of access by parents and students.
- Implemented interviews and training for new volunteers to ensure quality of lessons

RHS PROGRAMMING CLUB ⬈ | Executive   Jun 2021 - Jun 2022 |

- Organized weekly meetings that explore various coding **languages and technologies**.
- Competed in programming competitions, such as Waterloo's **CCC** (**Top 25% Senior** in 2021).
- Coordinated **team projects**, such as a 2D platformer game.
- Developed approaches to **teach programming** in a concise and thorough manner.