

Kevin Wei

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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, Python, JavaScript, TypeScript, HTML, CSS/SCSS, C/C++

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

Database: MongoDB, PyMongo, SQL, H2 Database Engine, Hibernate, HQL

WORK EXPERIENCES

CHARTD

| FULL STACK DEVELOPER

Remote Work | Sept 2023 - Dec 2023

- Worked on an **Business-Intelligence** platform used in handling and evaluating proprietary data built upon **Machine Learning**.
- Implemented data **ETL** process converting from CSV to **MongoDB**.
- Construct Data Nodes with complex Data Models in **Python** to facilitate **Natural Language Processing**.
- Designed an intuitive Product Tour with **TypeScript** and **Vue.js** to facilitate an effortless onboarding process.

| 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.

PROJECTS

SIMPLE SHOP

JAVA, H2, JSP, 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.
- 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.