

CINDY(RUI) WEI

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<https://www.cindywei.ca>

EDUCATION

- University of London(Second Degree)** *2021 - Present*
- **Major:** BSc Computer Science (Remote)
 - **Courses:** Web Development, Algorithms and Data Structures, Databases, Networks and the Web
- Western University, Canada** *Jan 2020 - Jan 2021*
- **Major:** Master of Professional Education, TESOL
 - **Thesis:** Website Analysis as a Tool for Task-based Language Learning
- Sichuan University of Arts and Sciences** *Sep 2015 - Jun 2019*
- **Major:** Bachelor's of Arts (Honours)

PROJECTS

Restaurant Food Order

- Designed and built a web application for restaurant food ordering using React and React Native.
- Designed UI and created wireframe using Figma.
- Implemented login feature using Firebase authentication to allow log in with Google/email/phone.
- Designed normalized database schema and used MySQL to create/update/delete data in tables.
- Built a restful API using Express.js to response to incoming GET/POST/PUT/DELETE requests.

Smart Home <https://rb.gy/3b1rzj>

- Designed and built a web app for adding, deleting and updating smart household applications.
- Built responsive front-end using HTML, EJS templating engine, and Bootstrap.
- Built back-end using Express.js for routing and updating database.
- Designed relational database to store settings and status of smart household applications and used MySQL for database management.

Data Visualization <http://cindywei.ca/data-visualisation>

- Designed a web application to visualise COVID vaccination rates, atmospheric CO2 from 2005 to 2022, and market value of top 10 tech companies.
- Designed data models comprising array, queue, and tree for better data representation and easy retrieving.
- Drew pie charts, scatter plot charts, animated charts using the most basic elements provided by p5.js, such as lines, circles and dots.
- Created an interactive choropleth map using the Leaflet library to display COVID vaccination rates by state in the United States.

Game <http://cindywei.ca/game-website>

- Designed and built the web-version of Super Mario Bros.
- Drew characters and background from scratch using P5.js.
- Implemented animation and control of the game character using vanilla js.
- Implemented latest ECMAScript6(ES6) feature to enhance code standards and maintainability.
- Used Git for version control.

Newsletter Website <http://cindywei.ca/newsletter-website>

- Designed and developed a web application for a English club to display newsletters.
- Designed CSS templates used in all pages on the website by working with background, positioning, text, border, margin, padding, and tale.
- Integrated multimedia resources such as, YouTube videos, calendar and Google maps for better usability.

SKILLS

HTML, CSS, JavaScript, TypeScript, React, Git, GitHub, Node.js, Express.js, MySQL, MongoDB