

Jared He

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Skills

Languages JavaScript/Typescript, Python, Java, C, C++, HTML5, CSS3, SQL, Racket, LaTeX

Tools React, Node.js, Angular, Express, Git, SQLite, Bootstrap, Sass, Tailwind CSS, Figma

Experience

Software Developer

August 2021 – December 2021

Marsh McLennan

Toronto, ON

- Implemented customizable **Node.js** scripts to increase data validation coverage to 100%
- Redesigned a finance portal using **Angular** and **Ionic**; improved usability for over 5000 Marsh employees
- Created automated test cases for access request applications using **CodeceptJS** and increased test coverage to 95%
- Coordinated daily scrum meetings for a team of over 20 developers

Front End Developer

February 2021 – Present

University of Waterloo Computer Science Club

Waterloo, ON

- Redesigned club website using **React**, **TypeScript**, and **CSS** in order to increase user experience for over 200 members
- Developed a **Node.js** script to efficiently parse and transform **XML** data into over 500 maintainable and accessible **Markdown** files
- Enabled club executives to efficiently track views and clicks by implementing an analytics bar using **React**, **TypeScript**, and **Tailwind CSS** for the club's social media link aggregator

Projects

jaredhe.com

Personal Portfolio

- Developed a personal website using **React**, **Sass**, and **Bootstrap**
- Implemented animations using **Framer Motion** and dark mode using **Styled Components**

COVID Watchdog

COVID Statistics Visualizer

- Designed pop-up components using **React** and **Sass** to format and display vaccination rates and case rates for all health regions in Canada
- Tested and debugged an **Express** and **Node.js** backend that called COVID statistics APIs
- Developed for Hack the North 2021 by collaborating with 3 fellow engineers from across Canada

IntegriTweet

Photoshopped Tweet Verifier

- Created text recognition for Tweets using **Google Cloud Vision API**
- Designed website using **React** and **CSS**
- Developed for Hack the North 2020

CovED

Learning Resources Compiler

- Developed website and aggregated high school curricula data using **HTML**, **CSS** and **JavaScript**
- Ensured consistent formatting and display of data using **Bootstrap**

Education

Bachelor of Computer Science, Co-op

September 2020 – April 2025

University of Waterloo

Waterloo, ON