

STEVEN YAU

 437-774-6398  schyau@uwaterloo.ca  github.com/StevennYau  linkedin.com/in/stevennYau

SKILLS

Frameworks and Libraries: React, Angular, Next.js, Express, Node.js, Spring Boot, ASP.NET Core, Flask

Programming Languages: JavaScript, Java, TypeScript, C/C++, C#, Python, HTML/CSS

Tools and Technologies: Git, MySQL, MongoDB, PostgreSQL, Heroku, Docker

EXPERIENCE

LCBO|next

Kitchener, ON

Full Stack Developer (Intern)

May. 2022 – Aug. 2022

- Developed a React Redux web app used at LCBO's flagship store to **reduce order fulfilment time by 50%**
- Created a CI/CD pipeline on Microsoft Azure to deploy Node and React applications with Docker
- Redesigned a PostgreSQL database schema by reducing data coupling, **decreasing query latency by 66%**
- Designed a backend REST API to provide order and product information with Express
- Implemented and refactored multiple legacy API endpoints to improve scalability and readability

TRIYO (TS Analytics Canada Ltd.)

Toronto, ON

Full Stack Developer (Intern)

Sept. 2021 – Dec. 2021

- Created API endpoints using ASP.NET to process data from multiple tables using LINQ from SQL Server
- Optimized and restructured frontend modules, resulting in approximately **36% reduction in lines of code**
- Designed multiple dynamic, user-customizable web pages on the frontend using Redux and React
- Refactored backend RESTful service endpoints resulting in a **57% decrease in loading times**
- Leveraged the use of JIRA and Git with a small team to increase productivity during sprints

PROJECTS

RESTAURANT REVIEWER

Feb. 2021 – Mar. 2021

- Developed a Yelp clone using **Angular 11** and Angular Material to browse, save, and rate restaurants
- Designed and normalized a **MySQL** database used to store business and user information
- Created a RESTful API using **Spring Boot** to access and utilize the information of **2000+** businesses
- Improved security by employing **Spring Security** and JSON Web Tokens for custom user authorization

UPKEY

Mar. 2021 – May. 2021

- Built a web scraper using **Next.js (React)** and **Bootstrap** for mechanical/gaming keyboards on eBay
- Engineered a RESTful API with **ASP.NET Core** and used **MongoDB** to store product and user information
- Hashed user passwords with Bcrypt and utilized React Hooks to reduce loading times by **50%**
- Scraped websites and updated data for **200+** products every **6** hours using HtmlAgilityPack and Quartz.NET

TUNES PLUS

Jan. 2021 – Feb. 2021

- Programmed a Spotify playlist manager using **React** and **Bootstrap** where users can browse and save songs
- Developed an API with **Node.js** and **Express** to receive and manipulate data for **50+** songs every call
- Implemented third-party authentication with **OAuth 2.0** to securely authenticate users and API routes

EDUCATION

University of Waterloo

Sep. 2020 – Present

Candidate for Bachelor of Computer Science

- Term Distinction, Fall 2020, Winter 2021 & Spring 2021 (3.64 GPA, 86% CAV)