STEVEN YAU

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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

EXPERIENCE

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
- Consumed Spotify's web API to access song information and stored user data using **PostgreSQL**
- 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

MASK MONITOR ⦿   *Jan. 2021*
- Utilized **Git** while collaborating with a **4-member** team to create a face mask monitor for QHacks 2021
- Used **Flask** to display numeric results and connected OpenCV webcam footage to the mask detection model
- Trained the mask detection model with **5,000** images using TensorFlow, resulting in a **91% accuracy**

EDUCATION

University of Waterloo   *Sep. 2020 – Present*
Candidate for Bachelor of Computer Science
- President's Scholarship of Distinction (Average of 95% or higher)
- Term Distinction, Fall 2020, Winter 2021 & Spring 2021 (3.90 GPA, 90% CAV)