STEVEN YAU

schyau@uwaterloo.ca github.com/StevennYau linkedin.com/in/stevennyau

SKILLS

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

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

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

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 connected a **MySQL** database to store user and business information using normalization
- Created a RESTful API using **Spring Boot** and Hibernate to create, read, update, and delete information
- Improved security by employing **Spring Security** and JSON Web Token for user authentication

UPKEY 🔗 ***Mar. 2021 – May. 2021***

- Built a web scraper using **NextJS** and **Bootstrap** for mechanical keyboards and other peripherals on Ebay
- Created a RESTful API with **ASP.NET Core** to access product and user information stored with **MongoDB**
- Implemented JSON Web Tokens to secure API routes and hashed user passwords with Bcrypt
- Scraped websites using HtmlAgilityPack and periodically updated **200+** products with Quartz.NET

TUNES PLUS 🔗 ***Jan. 2021 – Feb. 2021***

- Created a Spotify playlist manager using **React** and Bootstrap where users can browse and save songs
- Consumes Spotify's RESTful API to access song information and stored user data using **PostgreSQL**
- Implemented third-party authentication by using **OAuth** to allow users to securely enter their password
- Developed an API backend with **Node.js** and **Express** to receive information and authenticate users

MASK MONITOR 🔗 ***Jan. 2021***

- Cooperated with a four-member team to create a face mask monitor using **Git** for QHacks 2021
- Used Bootstrap and **Jinja** templates to display webcam footage and the results of the mask detection
- Applied the TensorFlow library to train a mask detection model connected to OpenCV using **Flask**

EXPERIENCE

MATT 25 COMMITEE

Technology Subcommittee Leader ***Sept. 2018 – Jun. 2020***

- Helped lead a team of 10 members to work on digital advertising, promoting events hosted by the committee.
- Created slideshows, games, and activities for social justice fundraisers within the student body

FREELANCE

Piano Teacher ***Jul. 2017 – Jul. 2020***

- Taught students basic fundamentals of piano and built lesson plans to enhance knowledge and development
- Evaluated students on their abilities to apply and comprehend the theories of music on the piano

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 & Spring 2021 (3.94 GPA)