Hok Hei Wong, Anthony

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SKILLS

Proficient	ES6, TypeScript, Git, HTML, CSS, JavaScript, Bootstrap, Node, Express, React, C#, .NET, SQL, MongoDB, Figma, Scrum, Agile
Familiar	AWS, Docker, Java, Python, TensorFlow Lite, Cloudflare, ML.NET, DNS, Selenium, Mocha, Unity, Blender

WORK EXPERIENCE

Student Researcher   WIMTACH - Toronto, ON   Oct 2022 - Present

As a member of an Agile Scrum team, designed and developed a cloud-based web and mobile application as a staffing management solution.

- Developed web front-end using ReactJS
- Designed the web and mobile user interface with Figma to improve user experience and facilitate front-end development.

PROJECTS

Full Stack Project - Aloha Rental   Link to Demo

A full stack application for private vehicle rental developed with MERN stack to provide renter options of cheaper car rental.

Machine Learning Project - Stop Sign Object Detection   Link to Demo

As many drivers do not own an autopilot car, we developed a stop-sign detection android application with TensorFlow Lite Model to facilitate their driving experience.

Selenium Automated Test Scripts for User Registration and Login   Demo Video

To achieve automated testing, we adopted Selenium with Mocha Framework to test the signing up and logging in process of a web application.

Restful API - Comp214 Airlines   Link to Demo | Demo Video

A Restful API designed with Express and OracleDB to handle highly relational data of airline tickets anticipated with numerous data manipulation. EJS template was adopted for server-side rendering to provide a demo application of this API.

Restful API - Survey Horse

A Restful API designed with Express and MongoDB for a survey site with multiple data visualizations using ChartJS and ChartJS Wordcloud libraries. EJS template was adopted for server-side rendering to provide a demo application of this API.

Individual Project - Socket.IO Chat App   Link to Demo

To achieve a real-time chat application, a Web Socket must be created to provide two-way communication between clients and servers. This chat application project adopted the Socket.IO library to provide the needed bidirectional channel.

Individual Project - Web Scraping with Python Link to Demo

Since I wanted to make a list of podcasts of a channel that are updated on a daily basis on separate web pages, an application using Python with Beautiful Soup library is developed to scrape the podcasts into a single page.

EDUCATION

2021 - 2023	Post-Secondary Diploma in Software Engineering Technician	(GPA: 4.36/4.5)
	Centennial College	
2022 - 2023	BEng (HONS) in Civil Engineering	(GPA: 3.07/4.0)
	The Hong Kong Polytechnic University	

ACTIVITIES

FundEvolve Hackathon at WIMTACH - Winner Fall 2022