Anthony Wong

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**Junior Software Engineer**

SUMMARY OF QUALIFICATION

• Post-secondary education in software engineering   
• Proficiency in multiple programming languages, including JavaScript, SQL, HTML, JSON, Java, and Python   
• Excellence in relational database management system

• Experience in Agile methodologies such as Scrum

• Familiar with test automation tools like Selenium

• Familiar with RESTful web services

• Knowledge of Microsoft and Linux operating systems

• Okay at troubleshooting networks equipments

• Okay at Eclipse development environment

TECHNICAL SKILLS

• Front-end: Next, React, Redux, Bootstrap, Tailwind CSS, Sass

• Back-end: ExpressJS, .NET, RESTful

• Database: OracleSQL, MongoDB

• Testing and Development Tools: Git, Postman, Selenium, Mocha, Jest   
• CI/CD: Docker Swarm, Kubernetes, AWS ECS

• AWS: EC2, S3, Lambda

• DNS: Cloudflare, AWS Route 53

• UX/UI Design: Figma

PROJECTS

**Aspiring Ingenuity**   
Worked as a developer in an professional Scrum team, designed and developed a cloud-based web and mobile application as a staffing management solution

React/Figma/NodeJS/MongoDB/AWS/Agile   
• Enhanced the ReactJS frontend of a cloud-based web staffing management service to increase the code

readability and improve the development speed by 40%   
• Assisted teammate resolving technical challenges such as customized interactive calendar, getting user avail-

ability radius using react google map API, which accelerated the sprint by 15%   
• Utilized Figma to draft over 50 web and mobile user interfaces, resulting in 60% increase in client satisfaction

**Full Stack Project - Aloha Rental** [Link to Demo](https://aloha_fe.anthonyhhwong.link/) MERN stack/TypeScript/Heroku/AWS EC2/Docker/Agile   
• Collaborated with 8 members to design and implement a car rental system from scratch within 2 months   
• Played a key role in both frontend and backend development, focusing on implementation of user interface

elements, external libraries such as AWS sdk, and user authorization and athentication   
• Migrated the app from Heroku to AWS Free Tier Instance with Docker Swarm to save 100% hosting cost,

enable resource utilization and ensure 95% uptime   
**Machine Learning Project - Stop Sign Object Detection** [Link to Demo](https://github.com/anth0nywong/Stop-Sign-Object-Detection-Android-App-with-TensorFlow-Lite)

Python/Colab/TensorFlow Lite/Android Studio/Object Detection/LabelImg   
• Downloaded and annotated over 150 images with Open Image and LabelImg for model training   
• Trained an accurate and efficient object detection model with 70% AP score

**Selenium Automated Test Scripts for User Registration and Login** Demo Video MERN Stack/Selenium/Mocha   
• Programmed automated test scripts which simulate each user interaction within 0.5s, validate the functionality,

and ensure application reliability   
**Restful API - COMP214 Airlines** [Demo Video](https://youtu.be/lvY62TFsO2A) | [Link to Demo](https://www.anthonyhhwong.link/)

ExpressJS/OracleDB/PL SQL/Oracle Cloud Autonomous Database/EJS/Docker   
• Collaborated actively with 3 members to design an Entity Relationship Diagram (ERD) with 8 entities and

created oracle cloud SQL database with 100 % uptime

**Restful API - Survey Horse**

ExpressJS/MongoDB/ChartJS/EJS   
• In a team of 4 members, developed the database, back-end Restful API for surveys, and user authorization

and authentication   
**Individual Project - Socket.IO Chat App** [Link to Demo](https://socket.anthonyhhwong.link/)

MERN Stack/Socket.IO/TypeScript/AWS EC2/ Docker   
• Enabled real-time bi-directional communication between server and client using Socket.io library   
**Individual Project - Web Scraping with Python** [ReadMe](https://github.com/anth0nywong/podcast_scraping) | [Link to Demo](https://podcast.anthonyhhwong.link/) Python/Beautiful Soup/ExpressJS/Docker   
• Executed Python script on NodeJS scraping podcast information to JSON files with BS5 library

WORK EXPERIENCE   
**Student Researcher (UX/UI and Frontend) WIMTACH - Toronto, ON** 10/2022 - 1/2023 React/Figma/NodeJS/MongoDB/AWS/Agile

EDUCATIONS   
2021 - 2023 Post-Secondary Diploma in Software Engineering Technician (GPA: 4.36/4.5)

**Centennial College**   
2014 - 2018 BEng (HONS) in Civil Engineering

**The Hong Kong Polytechnic University**

TRAININGS

• Udemy - Learn and Understand NodeJS

• LinkedIn Learning - Learning Docker

• LinkedIn Learning - Node.js: Real-Time Web with Socket.IO

• LinkedIn Learning - Python Essential Training

• LinkedIn Learning - Agile Fundation

• CertiProf - SCRUM Foundation Professional Certificate (SFPC)

• PMI - Agile Kickoff Badge

• Sololearn - C Sharp Course Certificate

OTHER EXPERIENCE

**Assistant Civil Engineer**   
WSP (Aisa) Limited 2018 - 2021

ACHIEVEMENTS   
Fall 2022 FundEvolve Hackathon at WIMTACH - Winner of website UX competition [Link](https://anth0nywong.github.io/resume/activities/1.0_certificate.pdf)   
• Participated in a Finance Web App design hackathon with around 20 participants organized in 5 groups   
• Collaborated effectively with a team of 3 members, contributing to the ideation, wireframing, prototyping, and

UI/UX design