

Anthony Wong

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[Github](#) | [Linkedin](#) | [Portfolio](#)

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, TypeScript, 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

UNDEFINED

Student Researcher (UX/UI and Frontend) WIMTACH - Toronto, ON

10/2022 - 1/2023

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

- 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 availability 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

Environment: React/Figma/NodeJS/MongoDB/AWS/Agile

PROJECTS

Software Developer

Oct 2022 - Dec 2022

Full Stack Project - Aloha Rental

[Link to Demo](#)

- 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 authentication
- 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

Environment: MERN stack/TypeScript/Heroku/AWS EC2/Docker/Agile

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|--|---|
| Software Developer | Nov 2022 - Dec 2022 |
| Machine Learning Project - Stop Sign Object Detection | Link to Demo |
| <ul style="list-style-type: none"> Downloaded and annotated over 150 images with Open Image and Labellmg for model training Trained an accurate and efficient object detection model with 70% AP score | |
| Environment: Python/Colab/TensorFlow Lite/Android Studio/Object Detection/Labellmg | |
| QA Engineer | Oct 2022 - Nov 2022 |
| Selenium Automated Test Scripts for User Registration and Login | Demo Video |
| <ul style="list-style-type: none"> Programmed automated test scripts which simulate each user interaction within 0.5s, validate the functionality, and ensure application reliability | |
| Environment: MERN Stack/Selenium/Mocha | |
| Software Developer | Sep 2022 - Oct 2022 |
| Individual Project - Socket.IO Chat App | Link to Demo |
| <ul style="list-style-type: none"> Enabled real-time bi-directional communication between server and client using Socket.io library | |
| Environment: MERN Stack/Socket.IO/TypeScript/AWS EC2/ Docker | |
| Software Developer | Sep 2022 - Sep 2022 |
| Individual Project - Web Scraping with Python | ReadMe Link to Demo |
| <ul style="list-style-type: none"> Executed Python script on NodeJS scraping podcast information to JSON files with BS5 library | |
| Environment: Python/Beautiful Soup/ExpressJS/Docker | |
| Software Developer | Jul 2022 - Aug 2022 |
| Restful API - COMP214 Airlines | Demo Video Link to Demo |
| <ul style="list-style-type: none"> Collaborated actively with 3 members to design an Entity Relationship Diagram (ERD) with 8 entities and created oracle cloud SQL database with 100 % uptime | |
| Environment: ExpressJS/OracleDB/PL SQL/Oracle Cloud Autonomous Database/EJS/Docker | |
| Software Developer | Jun 2022 - Jul 2022 |
| Restful API - Survey Horse | |
| <ul style="list-style-type: none"> In a team of 4 members, developed the database, back-end Restful API for surveys, and user authorization and authentication | |
| Environment: ExpressJS/MongoDB/ChartJS/EJS | |

EDUCATIONS AND TRAININGS

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|---|------|
| Learn and Understand NodeJS | 2023 |
| <ul style="list-style-type: none"> Udemy | |
| Learning Docker | 2023 |
| <ul style="list-style-type: none"> LinkedIn Learning | |
| Post-Secondary Diploma in Software Engineering Technician (GPA: 4.36/4.5) | 2022 |
| <ul style="list-style-type: none"> Centennial College | |
| Node.js: Real-Time Web with Socket.IO | 2022 |
| <ul style="list-style-type: none"> LinkedIn Learning | |
| Python Essential Training | 2022 |
| <ul style="list-style-type: none"> LinkedIn Learning | |
| SCRUM Foundation Professional Certificate (SFPC) | 2022 |
| <ul style="list-style-type: none"> CertiProf | |
| C Sharp Course Certificate | 2022 |
| <ul style="list-style-type: none"> Sololearn | |
| Agile Kickoff Badge | 2021 |
| <ul style="list-style-type: none"> Project Management Institute (PMI) | |
| BEng (HONS) in Civil Engineering | 2018 |
| <ul style="list-style-type: none"> The Hong Kong Polytechnic University | |

OTHER EXPERIENCE

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

ACHIEVEMENTS

Fall 2022 FundEvolve Hackathon at WIMTACH - Winner of website UX competition

[Link](#)

- 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