

# Anthony Wong

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

## Junior Software Engineer

### SUMMARY OF QUALIFICATION

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- 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

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- 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

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#### Student Researcher (UX/UI and Frontend) WIMTACH - Toronto, ON10/2022 - 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

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#### 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

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

## EDUCATIONS AND TRAININGS

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

## OTHER EXPERIENCE

<b>Assistant Civil Engineer</b>	
WSP (Aisa) Limited	2018 - 2021

## ACHIEVEMENTS

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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