ANSON WAN

+1 647-988-8689 • anson.hy.wan@gmail.com
linkedin.com/in/ansonwan • github.com/ansonhywan

SKILL SUMMARY

Coding Languages:	C++, Golang, Python, Javascript, SQL, Java, HTML, CSS
Cloud Platforms:	Azure, GCP, Working towards AWS Cloud Practitioner Certification
Familiar Technologies:	React, React Native, Express, Node.js, Selenium, Docker, Charles, Node.js, Postman, Git, Jira
Methodologies:	Microservice Architecture, Test-Driven Development, OOP, CI/CD, Agile, SDLC, Testing Triangle

WORK EXPERIENCE

Software Engineer (Platform Team) @ PocketHealth   Sep 2022 - Jan 2023
- Added asynchronous TLS certificate renewal to microservices using Golang routines, eliminating service downtime
- Addressed bugs within API endpoints and enhanced API response data to align with specified user story criteria
- Restructured the logging format across several crucial microservices, improving development velocity
- Led initiative to create infrastructure for testing interactions between microservices
- Authored design documents and collaborated with various internal teams during software design processes
- Gained proficiency in Azure and utilized cloud console and dashboards effectively
- Led and participated in sprint planning, retrospectives, stand-ups, post-mortems, and other agile ceremonies

Deep Learning Automation Developer @ DarwinAI   Jan 2022 - Apr 2022
- Explored and fixed bugs within APIs, databases, and UI. Analyzed stack traces, docker logs, database data
- Greatly increased automated test coverage for API endpoints, database validation, and UI flows for new features
- Took leadership role in the automation of the Data Export and CSV Export epics that were demoed to key clients
- Implemented barcode and QR code scanner utilizing OpenCV that automatically populated fields within UI
- Created & presented SQL data generation script to help developers populate data to tables for quick and easy testing

QA Software Developer @ Polar / Nova   Jan 2021 - Apr 2021
- Increased automated test coverage for the Polar/Nova Web Hub using Python Selenium
- Refactored UI tests to follow Page Object Model design pattern for more modular, organized code
- Automated front-end UI, back-end database validation, client-side ad rendering, network traffic event collection
- Utilized databases for manual and automated testing. Learned how to use database tools such as SequelPro

Software Engineer in Test @ Flipp   Sep 2019 - Jan 2020
- Increased automated test coverage for the Flipp Android App using Espresso, Mockito, and JUnit
- Created Python script within CI/CD for targeted testing in pull requests, improving dev velocity while ensuring quality
- Collaborated with software developers to create test plans, brainstorm edge cases, write unit and integration tests

PROJECTS

AnyTalk - iOS App for Speech and Hearing Impaired
- Utilized GCP tools such as GCP Cloud Storage, GCP Text-to-Speech, GCP Speech-to-Text
- Developed REST API using Flask to process various requests from the user for message conversion, storage, history
- Designed in line with MVVM Design Pattern standards. Split models (data), from views, and view models
- Used various structs to represent data, as well as view-models and StateObjects to communicate data to views

Fantasy Basketball Team Optimization Tool
- A web utility suggesting optimal player additions to enhance the user's team performance for their weekly matchup
- Created backend API that retrieves appropriate players from custom database depending on user input on frontend
- Backend utilizes a database of NBA player stats obtained through a custom web scraper updated nightly
- Frontend, developed using React and Bootstrap, enables users to input their team's requirements and league size

EDUCATION & COURSES

University of Waterloo - Computer Engineering - B.A.Sc   2018 - 2023

Relevant Courses:	ECE452 - Software Design & Architecture, ECE457A - Cooperative & Adaptive Algorithms
	ECE459 - Programming for Performance, ECE406 Algorithm Design & Analysis
	ECE356 - Database Systems, ECE250 - Data Structures & Algorithms