Ma Wing Kin

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🎓 Education

City University of Hong Kong   Sep 2019 – Present

Major in Computer Science, Expected Graduation Date: 06/2023

👥 Experience

GOGOX   Jun 2022 – Present

Software Engineering Intern

- Optimize queries, add unit tests, and integrate APIs for backend with NestJS and Typescript
- Integrate APIs for frontend with Next.js, RTK Query, React Hook Form and JOI
- Automate the process of exporting Figma designs with Figma Tokens and Style Dictionary
- Developed a mobile application from scratch using Flutter, Firebase and Google Sign In
- Supported new features, improved unit and widget tests for existing flutter apps with BLoC architecture
- Added a CI/CD workflow with Codemagic, and distribute new builds to Firebase App Distribution

Hospital Authority   Jul 2021 – May 2022

Programmer, Intern

- Developed an internal tool that supported several file formats to find matching IP using Python
- Exported data to the desired format and performed data visualization with Pandas and Openpyxl
- Set up Cron Jobs for Email automation with Github Actions and Python

☰ Projects

CityU Downloader | Docker, Github Actions, MongoDB, React, Python   Sep 2021 – Apr 2022

Get the links of every CityU past exam paper

- Implemented a CI/CD pipeline with dockerized application, Heroku and Github Actions
- Supported every combination of course name/year/subject for searching exam papers
- Saved more than half the steps required to download CityU exam papers
- Created integration tests for both frontend and backend, have >90% test coverage

Leetcode Helper | Github Actions, Nginx, Oracle Cloud, React   Mar 2022 – Jun 2022

Add new features for Leetcode home page

- Implemented unique features such as acceptance filter and arrow toggle for displaying question tags
- Deployed a dockerized application to Oracle Cloud, set up Nginx for reverse proxy and HTTPS
- Used Github Actions to fetch new leetcode questions every day and updated the cloud database

⚙ Skills

- Programming languages: C++, Dart, Java, Javascript, Python, SQL, Typescript
- Technologies: AWS, Docker, Flutter, Firebase, Github Actions, MongoDB,
  NestJS, Next.js, Nginx, PostgreSQL, React, Spring Boot

🎁 Achievements

- 1 Kyu on Codewars, ranked top 100 for kata completed, solved 1900+ problems
- Completed Advent of Code 2021 and 2022, placed top 100 in several days
- Represented Hong Kong in 2017 CCGS SEA, a Clash Royale tournament, won 1500 USD