

Ryan Wu

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SUMMARY

- Computer science student with work experience in software engineering.

EDUCATION

B.S., Computer Science

California Polytechnic State University, San Luis Obispo, CA

Sept 2019 – June 2023

3.448 GPA

TECHNICAL SKILLS

Proficient: Node.js (Angular), Java, Spring Boot, MySQL, PostgreSQL, MongoDB, Liquibase, Docker

Familiar: Git, Flask

Languages

- **Native:** Cantonese, Mandarin
- **Proficient:** English

EXPERIENCE

Lively Impact, Science Park, Hong Kong: Software Developer

December 2023 - February 2025

- Worked on multiple government projects with HKPF, FEHD, HyD, HD.
- Optimized calculations on luminosity and RGB from photos to save computation time.
- Leveraged knowledge in Git, Liquibase, Docker, Angular, Spring Boot, MySQL, PostgreSQL, MongoDB.

PROJECTS

Security Operations Centre Alliance (SOCA)

December 2023 - February 2025

Maintain, develop, and deploy a cyber security report platform hosted by HKPF, where users such as finance institutions and network providers can share indicators of compromise (IoC).

- Implemented IoC newsletter with Spring Schedule.
- Implemented IoC enrichment with Spring Batch.
- Leveraged knowledge in Angular, Restful, Spring Batch, Spring Schedule, Docker

DataCanva

June 2024 - February 2025

Maintain, develop, and deploy a multi-purpose platform that helps users store and process data, and only requires users to have minimum sql knowledge.

- Troubleshooted thread saturation problem.
- Leveraged knowledge in Java, Restful, Nikto

IoT Platform

February 2024 - February 2025

Maintain, develop, and deploy a surveillance platform that gathers IoT device data from both http and tcp, and guarantees to send real time alarms to device operators.

- Created Restful API for IoT data http transfer.
- Used Modbus TCP to collect IoT data.
- Created user interface with [Google Maps JavaScript API](#).
- Leveraged knowledge in Angular, Restful, Spring Schedule, Docker