

# Ryan Wu

☎ (+852)5502-7972

✉ ryanwu7275@gmail.com

🔗 wingfungwu

## 🎓 Education

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### California Polytechnic State University, San Luis Obispo, CA

Sept 2019 – June 2023

Bachelor of Science, Computer Science

- **Honors:** Dean's Honors List
- **Campus Experience:** Tutor at Cal Poly CSSE Tutoring Center

## 📁 Work Experience

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### Software Developer - Lively Impact

December 2023 - February 2025

- Maintained and developed 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, Java, Spring Boot, MySQL, MongoDB

### Software Engineer - Swire Properties

February 2025 - Present

- Maintained and developed multiple internal projects
- Assisted in troubleshooting and resolving technical issues, demonstrating problem-solving skills and a proactive approach to tackling challenges in a fast-paced environment.
- Leveraged knowledge in Jira, Git, Azure Devops, Angular, Java, Spring Boot, MySQL, ASP.Net Core, ASP.Net Razor, Microsoft SQL Server

## 📁 Projects

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### Security Operations Centre Alliance (SOCA)

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

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

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

### Carpark Middleware

Maintain and develop carpark middleware of Swire business units: Cityplaza, Pacific Plaza, and Citygate Outlets.

- Participated in integration testing

- Troubleshooted incorrect business logics
- Migrated CI/CD from Jenkins to Azure Devops
- Leveraged knowledge in Java, Jenkins, Azure Devops, Argo CD, Dynatrace

## Reimbursement Web Application

Maintain and develop Swire reimbursement web application.

- Troubleshooted frontend and backend bugs
- Developed new features as required, e.g. graceful exception handling
- Resolved users' enquiries
- Leveraged knowledge in Angular, ASP.NET Core

## Hong Kong Mortgagee Properties Project

[np2.hk](http://np2.hk)

Maintain and develop backend server.

- Designed microservice architecture
- Developed new features as required
- Integrated with loki, prometheus, grafana for monitoring
- Leveraged knowledge in Java, Spring Boot, PostgreSQL, Redis, Minio, Consul, Loki, Prometheus, Grafana, Liquibase, Docker, Github Actions

## Skills

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### • Proficient

- Angular
- Java, Spring Boot
- MySQL, PostgreSQL
- Git, Liquibase, Docker

### • Familiar

- ASP.NET Core, ASP.NET Razor
- MongoDB, Microsoft SQL Server
- Azure Devops

### • Languages

- Native
  - Cantonese
  - Mandarin
- Proficient
  - English