Ryan Wu

📍 New Territories, Hong Kong   ✉ ryanwu7275@gmail.com   📞 5502 7972   in wing-fung-wu

○ WingFungWu

Education

California Polytechnic State University, Computer Science — BS

San Luis Obispo, CA, USA
Sept 2019 – June 2023

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

Experience

Lively Impact, Software Developer

Science Park, NT, Hong Kong
Dec 2023 – Feb 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

Swire Properties, Software Engineer

Quarry Bay, HK, Hong Kong
Feb 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

Security Operations Centre Alliance (SOCA)

Lively Impact
Dec 2023 – Feb 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

Data Canva ⧉

Lively Impact
June 2024 – Feb 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 ⧉

Lively Impact
Feb 2024 – Feb 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, Modbus, Restful, Spring Schedule, Docker

Carpark Middleware

Swire Properties
Feb 2025 – present

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   Swire Properties

Maintain and develop Swire reimbursement web application   Feb 2025 – present

- 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 Web Application ⬈   Aug 2025 – present

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

Proficient: Angular, Java, Spring Boot, MySQL, PostgreSQL, Git, Liquibase, Docker

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

Languages: English (proficient), Cantonese (native), Mandarin (native)