

# RAIN LEUNG

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github.com/pystander

## Summary

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Passionate and interest-driven data engineer focusing on Data, Software Engineering, and AI/ML. Self-taught generalist across several fields. Participant of competitive programming contests on 3+ platforms (see [GitHub](#)), with 9+ years of programming experience since high school. A fast learner, team player, and a “chameleon” that adapts to fast-changing environments.

## Work Experience

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### Data Engineer

Sep 2024 – Present

Lalamove

Hong Kong

- Developed and maintained big data applications and micro-services (APIs, databases, cloud servers, etc.) with high QPS (1.2k+ at peak) and throughput across 5+ overseas regions.
- Configured, built, and released rolling updates on distributed containers from CSPs to achieve high availability and 0 downtime, based on CI/CD tools and workflows.
- Tested applications with automated and manual test cases to ensure high coverage.
- Monitored above projects with metrics and alerts, and responded to incidents for >99.999% SLA.

### Summer Intern

Jun 2023 – Aug 2023

MTR Corporation Limited

Hong Kong

- Built and maintained a new ETL data pipeline from scratch with Python for internal room booking reports, and optimized it with multi-processing to reduce >75% time overhead.
- Developed web crawlers for 700+ Glassdoor employee reviews and conducted sentiment analysis with NLTK, and presented data in dashboards.
- Migrated and automated old Octopus application process with SharePoint List and Power Automate, from manual inputs to a new semi-auto flow.
- Assisted with UAT, ran test cases, and issued tickets using Redmine.
- Created dashboards and reports for ESG statistics.

## Technical Skills

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### Languages

Java, Python, C, C++, C#, Kotlin, HTML/CSS, JavaScript

### Data & AI/ML

Hadoop, Kafka, Pandas, NumPy, PyTorch, Selenium

### Database

MySQL, HBase, Phoenix, Redis

### Web Development

Spring Boot, Flask, FastAPI, Jekyll

### Miscellaneous

Linux, Git, Docker, K8S, GitLab, AWS, Azure, Tableau, Power BI, Jira, Redmine, Unity, Android Studio

## Education

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### The University of Hong Kong

Sep 2021 – Jun 2024

Bachelor of Engineering in Computer Science, *Second Class Honours (Division One)*

cGPA 3.32 / 4.3

### PolyU Hong Kong Community College

Sep 2019 – Jun 2021

Associate in Engineering, *Distinction*

cGPA 3.77 / 4.0

## Relevant Coursework

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|--------------------------------|---------------------------|-------------------------------|
| • Data Science and Engineering | • Algorithm Design        | • Natural Language Processing |
| • Software Engineering         | • Computer Networking     | • Computer Vision             |
| • Data Structures              | • Artificial Intelligence |                               |
| • Computer Architecture        | • Machine Learning        |                               |