RAIN LEUNG

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Summary

Passionate and interest-driven data engineer focusing on Data, Software Engineering, and AI/ML. Self-taught generalist across several fields. Active participant of competitive programming contests on 3+ platforms (see GitHub), with 8+ years of programming experience since high school. A fast learner, team player, and a "chameleon" that adapts to fast-changing environments.

Work Experience

Data Engineer   **Sep 2024 – Present**
Lalamove   Hong Kong

- Developed and maintained backend functionalities (databases, APIs, cloud servers, etc.) for several big data applications and micro-services across different overseas regions.
- Configured, built, and released containerized applications based on CI tools and workflows.
- Monitored above projects with metrics and alerts, and responded to incidents to ensure >99.9% uptime.
- No further details available (signed NDA).

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.

Education

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

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

Technical Skills

Languages	Python, Java, 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, GitHub, GitLab, AWS, Azure, Tableau, Power BI, Jira, Redmine, Unity, Android Studio