

# RAIN LEUNG

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github.com/pystander

## Summary

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Passionate and interest-driven student who focuses on AI/ML related fields, especially on Deep Learning (DL), Natural Language Processing (NLP), and Computer Vision (CV). Habitual contestant of competitive programming, with 5+ years of programming experience since high school.

## Education

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### The University of Hong Kong

Sep 2021 – Jun 2024

Bachelor of Engineering in Computer Science

cGPA 3.34 / 4.3

### PolyU Hong Kong Community College

Sep 2019 – Jun 2021

Associate in Engineering, *with Distinction*

cGPA 3.77 / 4.0

## Relevant Coursework

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

## Work Experience

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### MTR Corporation Limited

Jun 2023 – Aug 2023

Summer Intern

- Created and maintained a new data pipeline in Python via APIs for room booking reports.
- Developed a web crawler for Glassdoor and conducted sentiment analysis on former employee reviews.
- Migrated and automated Octopus application process with SharePoint List and Power Automate.
- Assisted with UAT, ran test cases, and issued tickets using Redmine.
- Built Power BI dashboard for printer usage and ESG statistics.

## Open-source Projects

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### Word-Sea | Python, PyQt5, BeautifulSoup

Dec 2023

- Developed a vocabulary look-up and jot-down application for English learning.
- Designed data structures and visualized with simple PyQt GUI.
- Created scripts for crawling, fetching, and parsing data from Cambridge Dictionary.

### Simple-ML | Python, Machine Learning, NumPy

May 2023

- Implemented a few classic Machine Learning algorithms in a simple and minimal way.

### ML-Read-and-Code | Python, Machine Learning, PyTorch

May 2023

- Read research papers and implemented Machine Learning models for self-learning.
- Covered fields such as Computer Vision and Natural Language Processing.

### pystander.github.io | HTML, CSS, JavaScript

May 2023

- Developed my first personal website as a portfolio.
- Partially based on online boilerplate and hosted statically via GitHub Pages.

### Berkeley-AI-Pacman | Python, Artificial Intelligence, Machine Learning

Dec 2022

- Completed a series of AI projects designed by UC Berkeley.
- Learnt basic concepts of search algorithms, probabilistic inference, and reinforcement learning.

## Technical Skills

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**Languages:** Python, Java, C, C++, C#, Kotlin, HTML/CSS, JavaScript, SQL

**Data Science & AI/ML:** Pandas, NumPy, PyTorch, Scikit-learn, Keras, BeautifulSoup, Selenium, Matplotlib

**Miscellaneous:** Microsoft 365, Verilog, AutoCAD, SolidWorks

## Leadership / Extracurricular

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### “Meet and Chat” for Study Success

**Jul 2022**

Student Ambassador

HKU Academic Advising Office

- Guided new admitted DAS students on academic planning and course selections.
- Shared university life experience as a senior student.

## Awards / Achievements

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### Dean’s List

**Aug 2021**

PolyU Hong Kong Community College

### Director’s List

**Oct 2020**

PolyU Hong Kong Community College

### Outstanding Student Award

**Oct 2020**

PolyU Hong Kong Community College