

# YE YILIN

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## PROFILE

A proactive first year MPhil student in Computer Science and Engineering. Skilled in Python and machine learning with experience in large-scale vision-language models and VR development, fluent in Mandarin, Cantonese, and English.

## EDUCATION

### Hong Kong University of Science and Technology

Hong Kong

*MPhil in Computer Science and Engineering*

09/2025 – 08/2027 [anticipate]

- Supervisor: Huamin Qu, Chair Professor at HKUST

### Hong Kong University of Science and Technology

Hong Kong

*BSc in Data Science and Technology, minor in Business*

09/2021 – 05/2025

- First Class Honors

### Swiss Federal Institute of Technology Zurich (ETH Zurich)

Zurich, Switzerland

*Mobility Student in Department of Computer Science*

09/2023 - 02/2024

- HKUST School of Engineering Undergraduate Outbound Exchange Program

## PROJECT EXPERIENCE

### Multiplayer VR collaboration for Hong Kong Landslide

Hong Kong

*HKUST VisLab*

02/2025 - present

- Supervisor: Huamin Qu, Chair Professor at HKUST
- VR, Data Visualization
- Developing a multiplayer VR landslide simulation in Unity to boost parent-child engagement and disaster awareness and doing user study.

### Towards Large-Scale Vision-Language Models in Medicine

Hong Kong

*Final Year Project*

06/2024 - present

- Supervisor: Hao CHEN, Assistant Professor at HKUST
- Machine Learning, RAG, LLM
- Developing a multimodal RAG system for a generalist foundation model in pathology and radiology for VQA and RRG tasks.

### Knowledge Discovery over Database

Hong Kong

*Undergraduate Research Opportunity*

2/2024 – 05/2024

- Supervisor: Raymond Chi-Wing Wong, Professor at HKUST
- Machine Learning, Recommendation Systems
- Implemented the Neural Attentive Session-based Recommendation Model (NARM) for session-based recommendations to predict user preferences based on their session data.

### Trustworthy Machine Learning

Hong Kong

*Undergraduate Research Opportunity*

06/2023 – 08/2023

- Supervisor: Minhao CHENG, Assistant Professor at HKUST
- Machine Learning, NLP
- Experimental designs and result analysis of a framework that traces the origin of AI-generated content from large language models (LLMs).

## WORK EXPERIENCE

### Brilliant Data Analytics Inc.

Guangzhou, Guangdong, China

*Assistant Data Analyst Intern*

05/2023-06/2023

## ACTIVITIES

### HKUST Student Ambassador Program

Hong Kong

*Student Ambassador*

01/2024-Now

### Peer Companions

Hong Kong

*Peer Companion in DSTO*

12/2022-Now

## HONORS AND AWARDS

- University's Scholarship Scheme for Continuing Undergraduate Students HKUST, 2023/24
- HKSAR Government Scholarship Fund - Reaching Out Award HKSAR Government, 2023/24
- Dean's List HKUST, Fall 2021-22 & Spring 2021-22 & Spring 2022-23 & Spring 2023-24
- Best Teamwork Individual Award in Student Partnership Co-creating Education 4.0 Program HKUST, 06/2022

## SKILLS

- Python / C++ / MatLab / Unity
- Git / Pytorch / Tensorflow / R
- English / Mandarin / Cantonese