

# 甄釗煒

# YAN CHIU WAI

## Contact

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## Education

MPhil in Computer Science  
(2020 – 2022), HKUST

Research Topics:  
Adversarial Learning, Deep Learning,  
Computer Vision

BEng in Computer Science  
(2016 – 2020), HKUST

First Class Honors  
CGPA: 3.88

## Skills

### Language

Cantonese, English, Mandarin

### Machine Learning / Data Analysis

Python  
• numpy, pandas, scipy, scikit-learn,  
pytorch, tensorflow, keras, opencv,  
matplotlib, seaborn

### Programming

C++, C#, Golang, Java, Matlab, NodeJS

### Frontend

ReactJS, VueJS, NextJS, HTMX,  
Bootstrap

### Backend

Flask, PHP, MySQL

### Others

AWS EC2, Azure Cloud, Docker, Unity

## Work Experiences

### Research Assistant, HKUST

(2022 – 2025)

- Develop spatiotemporal trend forecasting machine learning models to forecast the more distant future with higher accuracy and certainty.
- Apply the proposed models to challenging weather forecasting tasks using weather data provided by the Hong Kong Observatory (HKO)

### Part-time Lecturer, HKU Space

Course: System Administration

- Conduct lectures in concepts of Windows, Linux, networking, network servers, configurations, etc.
- Host labs on installation of OS, VMs, basic configuration of network servers.

### Lab Helper, Department of CSE, HKUST (2019)

- Assist TA/IA in teaching and demonstration of lab activities
- Answer students' questions regarding the assigned lab tasks

### Part-time IT Assistant, HKT (2019)

- Assist any business required in the Business Technology Unit
- Perform CI/CD pipeline on the team products

### Associate Consultant, eWalker Consulting (HK) Limited

(2018 – 2019)

- Develop log parsing tools for cybersecurity forensics
- Test and implement latest technology in assisting

## Publications

**Chiu-wai Yan, Shi Quan Foo, Van Hoan Trinh, Dit-yan Yeung, Ka-hing Wong, Wai-kin Wong**

**Fourier Amplitude and Correlation Loss: Beyond Using L2 Loss for Skillful Precipitation Nowcasting**

In NeurIPS (2024)

**Chiu-wai Yan, Tsz-him Cheung, Dit-yan Yeung**

**ILA-DA: Improving Transferability of Intermediate Level Attack with Data Augmentation**

In ICLR (2023)

**Chiu-wai Yan**

**Aug-ILA: More Transferable Attacks and Their Application to Adversarial Training**

MPhil Thesis (2022)