甄 釗 煒
YAN CHIU WAI

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https://argenycw.github.io

https://github.com/argenycw

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 – 2024)
- 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)