

YAN Yuhang(Henry)

 <https://yany-henry.github.io> |  yanyuhang2002@link.cuhk.edu.hk |  +86 18945222225

EDUCATION

The Chinese University of Hong Kong (CUHK)

Sep. 2021 - July 2025 (expected)

Bachelor of Science in Computer Science (CSCI)

Hong Kong SAR, China

- Cumulative GPA: **3.715**/4.000; A member of **S.H. Ho College**
- **ELITE Stream** of Faculty of Engineering; Stream in **Data Analytics**
- **Spring semester exchange** to École Polytechnique Fédérale de Lausanne (**EPFL**), 2023-24
- **Spring semester exchange** to Yuanpei College, Peking University (**PKU**), 2022-23

RESEARCH EXPERIENCE

Efficient Video Analytics

June 2023 - present

Research Assistant to Prof. Eric Chi Lik LO (CUHK)

Hong Kong SAR, China

- Won the **Best Project Award 2023** among 58 undergraduate projects.
- To design a natural language based lost-and-found system for the Hong Kong Airport.
- Worked on accelerating the process of efficiently analysing multiple long videos using deep learning models and used React to build the front-end for the project.
- Investigated multiple Zero-Shot Object Detection models as well as Nature Language Processing Models. Evaluateing the capabilities of different models based on our self-created airport datasets and diverse evaluation criteria.

Traffic Characteristics Analysis of the Network

April 2023 - June 2023

Research Assistant to Prof. Tong YANG (PKU)

Beijing, China

- Based on the high-performance traffic analysis platform built independently and the core traffic data collected, conducting comprehensive and in-depth traffic feature statistics and analysis from the link, traffic and packet level.
- Learned about TCP/IP protocols and DNS packet rules and used Peking University's campus network traffic information as a dataset, resolving IP and domain name mapping relationships from pcap files containing only DNS.

ACADEMIC AWARDS AND SCHOLARSHIPS

Dean's List (**Top 10%**) of 2021-22

Faculty of Engineering

Best Project Award (**Top 5** of 58 UG Summer Research Internships) in 2023

Faculty of Engineering

Honorable Mention of Mathematical Contest In Modeling (**MCM**), 2022

COMAP

College Outstanding Student Scholarship (10,000HKD), 2022-23 & 2023-24

S.H. Ho College

Multiple Exchange Scholarship (32,400HKD), 2022-23 & 2023-24

CUHK

Admission Scholarships for Academic Excellence (5,000HKD), 2021-22

CUHK

2nd Prize in National Physics Competition for Senior High, 2019-20

CHN Physics Competition Comm.

2nd Prize in National Mathematics Competition for Senior High, 2020-21

Chinese Mathematics Society

SKILLS

Languages English (Fluent), Mandarin (Native) and Cantonese (Intermediate).

Progamming C/C++, Java, JavaScript, MATLAB, Python{Pytorch, Tensorflow} and SQL.

Tools L^AT_EX, Anaconda, Git and Linux.