Yeung Pak Ming
Curriculum Vitae

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Side Project

Sep 2024 - Now

Hand Gesture Control

Real-time hand detection and tracking, and then control the computer mouse based on hand gesture identified in the live video stream.

Using OpenCV for video input processing, MediaPipe for real-time hand landmark detection and tracking, and further processing landmarks to enable computer mouse control with PyAutoGUI.

Professional certificates

Aug 2024

OpenCV Bootcamp
OpenCV University

- Image manipulation and feature detection using OpenCV

Aug 2024

Certificates in Machine Learning
Kaggle

- Computer Vision, Feature Engineering, Intro to Deep Learning and etc.
- Fundamentals of machine learning, built a CNN with TensorFlow and Keras

Dec 2023 - Now

CS50's Intro to Programming with Python
Harvard University | edX

- Importance of unit tests, and the practice of applying OOP for organized and reusable code structures

Feb 2024 - Now

Django for Everybody Specialization (2/4)
University of Michigan | Coursera

- Learn the fundamentals of building a full-featured website using Django

Personal Website

 GitHub.io

Education

2019 – 2023

B.Sc. in Physics
The Chinese University of Hong Kong

Experience

Aug 2022 - Dec 2022

Student Researcher
The Chinese University of Hong Kong

- MD simulations and applications on SARS-CoV-2 study, I gained insights into the significance of programming in scientific research.

Skills

Language:
Cantonese / English / Mandarin / Japanese (Limited)

Programming:
Python / SQL / C / LaTeX

Most-used:
mediapipe / cv2 / keras / sklearn / pandas / seaborn / matplotlib