



WENG XIANGXIANG STEVE

Email: 1155211173@link.cuhk.edu.hk · Phone: (+852)97032191

EDUCATION

The Chinese University of Hong Kong (CUHK), Hong Kong, China 2023 – Present

- B.S. in Computer Science
- Cumulative GPA by Year 2, Term 1: 3.832/4.0

Peking University Summer School International (PKUSSI), Beijing, China Jul. 2024

- A one-month general education course

EXPERIENCE

Variational Autoencoder (VAE) Project Dec. 2024

- Trained a convolutional VAE in PyTorch for image generation
- Employed a joint loss combining Mean Squared Error (MSE) and KL Divergence
- Implemented the Reparameterization Trick to enable stable optimization during stochastic sampling
- Investigated the effect of different training set sizes
- Conducted comparative experiments with a traditional Autoencoder (AE)

Summer Internship, Guangdong, China Jun. 2024

- A one-month Summer Internship at WickiMed Supply Company Ltd. as an Administrative Staff
- Primary Task: Use Python programming to automate batch processing of Excel files

Principle Component Analysis (PCA) Project Apr. 2024

- Utilized MATLAB to preprocess face images
- Applied PCA for dimensionality reduction and feature extraction from high-dimensional face data
- Projected test faces onto the principal component space and matched them to the training set
- Achieved approximately 90% recognition accuracy

The International Mathematical Contest in Modeling (MCM) Feb. 2024

- Collaborate with two friends from SUFE and PKU, designated as Successful Participant

SKILLS

- Languages: English - Fluent, Mandarin - Native Speaker, Cantonese & Japanese - Basic Communication
- Programming Languages: C, C++, Python, Java, JavaScript, HTML, MATLAB
- Typesetting Languages: CSS, Markdown, LaTeX
- Microsoft Office: Word, Excel, Powerpoint

HONORS AND AWARDS

- *Luk Hang Henry, Luk Kwok On Terry and Luk Ching Yee Jannie Scholarship*, 10000 HKD 2024
- *ELITE Stream Scholarship 2023-24*, 16000 HKD 2024
- *CUHK Exchange Financial Aid & Scholarship Scheme*, 2700 HKD 2024
- *Provincial First Prize, Chinese Physics Olympiad* 2023