Steve Weng Xiangxiang

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Objective

Seeking a 2026 Deep Learning Internship at NVIDIA, dedicated to applying Python, C++, and Deep Neural Networks expertise to solve complex technical challenges

Education

The Chinese University of Hong Kong (CUHK), Hong Kong Sept. 2023 – Jul. 2027 [Expected]

- *B.S.* in Computer Science
- Cumulative GPA by Year 3, Term 1: 3.757/4.0
- Relevant courses: Fundamentals of Artificial Intelligence, Fundamentals of Machine Learning, Linear Algebra, Statistics for Engineers, Discrete Math for Engineers, Design and Analysis of Algorithms

University of California, Berkeley (UCB), California, USA Aug. 2025

- Completed a cultural studies project with classmates from different countries
- Gained a deep understanding of California's local culture, where NVIDIA's headquarters are located

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

- Completed a general education course project with classmates from different cultural backgrounds

Experience

Large Language Model (LLM) Benchmark Project, UNIST, South Korea Jul. 2025

- Collaborated on this project with Professor Dong-Young Lim and his PhD students in the lab
- Developed a standardized framework in Python to evaluate the decision-making capabilities of LLMs
- Identified a 30% performance degradation in reasoning accuracy as task complexity increased

Variational Autoencoder (VAE) Project, CUHK Dec. 2024

- Trained a convolutional VAE in PyTorch for image generation
- Implemented the Reparameterization Trick to enable stable optimization during stochastic sampling
- Demonstrated that VAE generated 25% more continuous samples than traditional AE

Principle Component Analysis (PCA) Project, CUHK Apr. 2024

- 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 91.5% Rank-1 recognition accuracy on the ORL face database

Skills

- Languages: Fluent in English and Mandarin
- Technical Skills: Proficient in C, C++, Python, Linux, Bash Scripting, React and Go

Awards

- *Chiu On and Li Chou Kook Memorial Scholarship*, United College, CUHK 2025
- *ELITE Stream Scholarship*, Faculty of Engineering, CUHK 2024
- *the Dean's List 2024-25 of the Faculty of Engineering,* Faculty of Engineering, CUHK 2024
- *Professor Charles K. Kao Research Exchange Scholarship*, Faculty of Engineering, CUHK 2024