

Wangpok Tse

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EDUCATION

The University of Hong Kong B.Eng. in Computer Engineering (Dual Degree Program)	Hong Kong SAR 9.2022 – 6.2027
The University of Hong Kong B.B.A. in Finance (Dual Degree Program)	Hong Kong SAR 9.2022 – 6.2027

PROFESSIONAL EXPERIENCE

PlayVision Games AI Computer Vision Engineer	Hong Kong SAR 12.2025 – Present
BPS Global Group AI Developer Intern	Hong Kong SAR 6.2025 – 9.2025
SmartAge Intelligence AI Data Scientist Intern	Hong Kong SAR 12.2023 – 1.2024
HKUST Intelligent Graphics Lab (Led by Prof. Yuan Liu) AI Research Assistant	Hong Kong SAR 6.2025 – Present
HKU Computer Graphics and Visualization Lab (Led by Prof. Taku Komura) AI Research Assistant	Hong Kong SAR 5.2024 – 4.2025

RESEARCH PUBLICATIONS

MotionPersona: Characteristics-aware Locomotion Control M Shi, W Liu, J Mei, W Tse , X Chen, T Komura	Arxiv Preprint 2025 Hong Kong SAR
InterAct: A Large-Scale Dataset between Two People in Daily Scenarios L Ho, Y Huang, D Qin, M Shi, W Tse , W Liu, J Yamagishi, T Komura	ACM Symposium on Computer Animation (SCA) 2025 Vancouver, Canada

MINI PROJECTS

Quantitative and Algorithmic Trading Strategy Development <ul style="list-style-type: none">Implemented rule-based and deep learning trading strategies (GAN, LSTM Time-Series Model, etc.) with Python and Yahoo FinanceDeveloped a modular backtesting and visualization pipeline for strategy comparison and performance tracking
SentimentSage APP: AI-Powered Financial News Sentiment Analyzer <ul style="list-style-type: none">Created a finance and stock market news analysis platform using FinBERT for sentiment analysis and LangChain for RAG pipelineIntegrated ChatGPT API for summarizing market risks, and visualized insights via Streamlit statistics dashboards
Anime Face Generation Using Denoising Diffusion Probabilistic Models <ul style="list-style-type: none">Implemented a U-Net based diffusion model using PyTorch to generate anime-style faces from random noise through denoisingTrained on Kaggle anime face dataset, achieving stable convergence over 200 epochs and generating 100+ unique characters
AR-Based Driver Alert and Facial Recognition System <ul style="list-style-type: none">Developed a real-time driver safety monitoring system using Python and OpenCV, integrating AR to enhance driver safetyImplemented facial recognition and behavioral analysis algorithms to detect drowsiness, distraction, and identity verification

OTHER INFORMATION

Language: English, Cantonese, Mandarin, Southwestern Mandarin
Technical Skills: Python, C++, Sklearn, PyTorch, NumPy, Pandas, Matplotlib, HTML, CSS, JavaScript, MySQL, Git, Trae
Other Skills: Vicon Motion Capture System, Blender, Figma, Microsoft Office, Canva, WordPress

谢宏博

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教育经历

香港大学 The University of Hong Kong 计算机工程专业工学学士 (双学位项目)	香港特别行政区, 中国 9.2022 – 6.2027
香港大学 The University of Hong Kong 金融专业工商管理学士 (双学位项目)	香港特别行政区, 中国 9.2022 – 6.2027

专业经历

PlayVision Games 人工智能计算机视觉工程师	香港特别行政区, 中国 12.2025 – 至今
香港威裕环球集团 BPS Global Group 人工智能开发实习生	香港特别行政区, 中国 6.2025 – 9.2025
智龄生活 SmartAge Intelligence 人工智能数据科学实习生	香港特别行政区, 中国 12.2023 – 1.2024
香港科技大学 Intelligent Graphics Lab 智能图形实验室 人工智能科研助理 (Yuan Liu 教授指导)	香港特别行政区, 中国 6.2025 – 至今
香港大学 CGVU Lab 计算机图形和可视化实验室 人工智能科研助理 (Taku Komura 教授指导)	香港特别行政区, 中国 5.2024 – 4.2025

科研论文

MotionPersona: Characteristics-aware Locomotion Control M Shi, W Liu, J Mei, W Tse, X Chen, T Komura	Arxiv 2025 Preprint 香港特别行政区, 中国
InterAct: A Large-Scale Dataset between Two People in Daily Scenarios L Ho, Y Huang, D Qin, M Shi, W Tse, W Liu, J Yamagishi, T Komura	ACM Symposium on Computer Animation (SCA) 2025 温哥华, 加拿大

项目经历

算法与量化交易的策略 Python 开发

- 使用 Python 和 Yahoo Finance API 设计并实现多种基于规则和深度学习的交易策略, 例如 LSTM 时序分析, GAN 预测模型等
- 构建模块化分析流程, 涵盖策略实现模块, 历史数据回测模块, 以及结果可视化模块, 成果实现可盈利的目标

SentimentSage APP: AI 驱动金融新闻文本情感分析平台

- 开发基于 FinBERT 情感分析模型和 LangChain RAG 架构的金融和股票市场新闻文本分析平台, 自动化实现市场情绪评估
- 采用 Streamlit 部署完整应用系统, 集成实时新闻 API 接口, ChatGPT 智能风险分析报告和可视化统计仪表盘

基于去噪扩散概率模型 (DDPM) 的动漫人脸生成系统

- 使用 PyTorch 实现基于 U-Net 架构的扩散模型, 通过迭代去噪过程从随机噪声生成多样化动漫风格人脸图像
- 在 Kaggle 动漫人脸数据集上训练 200 个周期, 实现稳定收敛并生成 100+具有一致艺术风格的独特动漫角色脸部

基于增强现实 (AR) 的驾驶员预警和人脸识别系统

- 基于 OpenCV 与 Python 开发实时驾驶安全监控系统, 融合增强现实技术 (AR) 以提升驾驶者警觉性和道路安全度
- 实现人脸识别和行为分析算法, 通过头部姿态估计和眼动追踪检测疲劳驾驶和分心行为, 并自动进行身份验证

其他信息

语言水平: 英语, 普通话, 粤语, 西南官话

技术技能: Python, C++, Sklearn, PyTorch, NumPy, Pandas, Matplotlib, HTML, CSS, JavaScript, MySQL, Git, Trae

其他技能: Vicon Motion Capture System, Blender, Figma, Microsoft Office, Canva, WordPress