EDWIN HUI
https://www.linkedin.com/in/edwinhyy

PROFILE

Manager with a proven track record of establishing and leading tech startups with proven track records in project and product delivery across various industries, including AI, Big Data and Blockchain.

"Advisory Committee on Applied Physics" and "Departmental Outstanding Young Alumni Award - Entrepreneurial Achievement" of The Hong Kong Polytechnic University. Member of "HKSTP Technology Incubation Network (TIN)", "Asia America Multi-Technology Association (AAMA)" and "PolyU InnoHub Shenzhen".

Successful delivery of multiple ITF projects, featuring "AI-powered language model (ALM) assisted physics learning platform" (Tender Ref: T230177), "AI-assisted Physics Learning Platform" (Tender Ref: T-AP-2122-0001) and "Automated AI Trading System Overhaul" (Tender Ref: TVP/2410/20).

EXPERIENCE

Jan 2024-
Present

Director of Big Computing, *China Unicom Global*

Leading the AI research and development of China Unicom Hong Kong Innovation and Technology Research Institute.

Leading the joint laboratory with HKUST with China Unicom Global in Hong Kong.

Leading the AI team in China Unicom Global.

Dec 2022-
Present

Manager, Business Strategy & Success Delivery, *Hong Kong Jockey Club*

UAT manager of an on-premise AI platform with more than one hundred A100 GPUs. Supported the delivery of three AI models, including Speech-to-bet model, Horse Recommendation Engine and LLM (ChatGPT) Chatbot.

Testing Manager of a bid data platform on Azure Cloud for speeding up the data and analytics process of the Club.

Project Manager of a team of 20+ data engineers, data scientists, and analysts to deliver Big Data and AI-related projects.

Supported the delivery three AI models, including Speech-to-bet model, Horse Recommendation Engine and LLM (ChatGPT) Chatbot.

Oversaw vendor performance and service level agreements, ensuring deliverables were met and quality standards were maintained. Collaborated with 10+ large-scale and small-scale vendors.

Aug 2019-
Oct 2022

Proven experience as a Co-founder of a tech startup with the ability to navigate the challenges and uncertainties of early-stage entrepreneurship.

Built a talented Agile Global team of 20+ software engineers from prestigious universities, including Cambridge, Oxford, Harvard and etc.

Committee of Project Management Office (PMO) and C-suite Office, responsible for project pipelines and resource allocation.

Negotiated deals with vendors and clients, including account management of all external clients with the provision of consultancy services.

Delivered an online gaming platform that processes more than 20M daily transactions.

Secured funding, negotiated strategic partnerships, and managed investor relations. Obtained 40M+ HKD investment from investor and 1M+ HKD Government fund.

Jun 2018-Jul 2019	**Senior Engineer,** *Nano and Advanced Materials Institute (NAMI)*

Team member of the Biosensor and Detection Team.

Waterfall project management, Person-in-charge (PIC) of a government-funded project called "Portable Electrochemical Sensor for the Detection of Heavy Metal".

Nov 2017-Jun 2018	**Research Fellow,** *The Hong Kong Research Institute of Textiles and Apparel (HKRITA)*

Team member of the Wearable Device Team.

Patent inventor of "*Electrochromic Element, Device And Product, And Manufacturing Method And Usage Method Therefor*" (Publication number: 20210033940).

PIC of two wearable device-related Innovation and Technology Fund (ITF) projects.

Jul 2016-Nov 2017	**Postdoc Fellow,** *The Hong Kong Polytechnic University (PolyU)*

Team member of the Nano-Optoelectronic Group.

Published 10+ papers across various scientific journals in the field of semiconductors, nanomaterials and optoelectronic devices. Featured publications: "*Exceptional tunability of band energy in a compressively strained tri-layer MoS2 sheet*", **ACS Nano** 7, 7126 (2013) and "*n- and p-Type modulation of ZnO nanomesh coated graphene field effect transistors*", **Nanoscale** 4, 3118-3122 (2012).

Mar 2015-Jun 2016	**Project Manager,** *Nanothink Limited*

Project Manager of a small team with 4 software developers.

Obtained two major grant fundings of HKD$500,000 in total from Hong Kong Science Park (HKSTP) and PolyU.

Successful delivery of an online platform for STEM development.

CERTIFICATES

AI	**Machine Learning Engineering for Production (MLOps)** (XPCVB42RLTSW)
	Machine Learning Specialization (VCVBKGDC94F4)
	Advanced Learning Algorithms (GH469LTWKNNV)
	Supervised Machine Learning: Regression and Classification (FWJD2DAHXPQU)
	Unsupervised Learning, Recommenders, Reinforcement Learning (4SHZGZHSFPE2)
	Structuring Machine Learning Projects (MKVRDQWPDGC9)
Cloud	**AWS Cloud Technical Essentials** (FLZRB8D8KSUG)
	The Machine Learning Pipeline on AWS (7G2tfAyrukm2RR2yipx8gg2)
Finance	**Data and Statistics Foundation for Investment Professionals** (7HXKRN9ZCZFL)
Data	**Microsoft Azure Data Engineering Associate (DP-203) Professional Certificate** (in progress)
Agile	**Google Project Management - Agile Project Management** (2LX9XU8R9634)

SKILLS

Programming	Python, C++, SQL
Cloud	AWS, Azure, Google
Software	Gitlab, JupyterLab, Jira, Confluence, Notion, Slack, Mattermost, Kibana, Figma, Xero, Sage, Adobe, Office 365, Google Workspace

EDUCATION

The Hong Kong Polytechnic University, *Hong Kong*
PhD in Applied Physics
MPhil in Applied Physics
BSc in Engineering Physics

Texas Tech University, *United State*
Exchange Study, Optoelectronics

Fachhochschule Jena, *Germany*
Exchange Study, Physics

Queen Mary University of London, *United Kingdom*
Summer Intern, Material Science

LANGUAGE

English	Excellent
Cantonese/ Mandarin	Native

INTERESTS

ChatGPT hobby project, web3, reading, photo shooting, hand-drip coffee, golf, basketball, gym