Zijin CAI 蔡子晋

PhD in Artificial Intelligence, CUHK-Shenzhen · Research Fellow, CUHK(SZ)–CROSS Joint Laboratory

zijincai@link.cuhk.edu.cn · caizijin1999@hotmail.com · cai991108.github.io

Research interests: multimodal perception, generative models, and the infrastructure that makes both reproducible. Four years building quantitative trading systems before returning to research.

EDUCATION

The Chinese University of Hong Kong, Shenzhen

PhD in Artificial Intelligence 2026.09 – 2031.06 (expected)

Supervisor: Prof. Jianhua Huang

MSc in Data Science 2024 – 2026

Core courses: Machine Learning, Language Models, Image Processing and Computer Vision.

The London School of Economics and Political Science

MSc in Economic History 2021 (deferral)

The University of Manchester

BSc (Hons) in Economics 2018 – 2021

GPA 72.5/100 — awarded a First Class degree. Core courses: Applied Economics, Mathematical Economics, Advanced Econometrics.

INTO Manchester (NCUK)

International Foundation Degree in Business 2017 – 2018

Major in British Politics, Economics, Advanced Mathematics and EAP.

ACADEMIC EXPERIENCE

University of Cambridge, Economics Faculty Research Workshop

Research Assistant (remote) 2020 – 2021

- **Applied econometric and data-science techniques in STATA**

- **Contributed to the full research process of "Alcohol Consumption and the Labour Market"**

MIT Summer Research Camp

Research Project Assistant 2019

- **Applied econometric and data-science techniques in STATA**
- **Contributed to the full research process of "Direct Flights and Economic Growth"**

WORK EXPERIENCE

Dongguan Hui Feng Asset Management Co. Ltd

Quant_Strats Manager, Trading Department 2021 – 2024

- **Maintained and extended the firm's Python quantitative library**
- **Researched backtesting strategies and quantitative factors for live trading**
- **Built multi-factor Smart Beta models with estimation and regression across portfolios**
- **Trained LSTM and GRU models for trading signals**

EXTRACURRICULAR ACTIVITIES

MCBS (Manchester China Business Community)

Public Relations Department Associate 2018 – 2020

- **Ran workshops and conferences on job consulting and business analytics**
- **Liaised with sponsors to secure funding for the society**

AWARDS

5-Day Generative AI Intensive Google · Kaggle

Agents Course Hugging Face · 2025

Introduction to Transformer-Based NLP NVIDIA · 2025

Accelerating Python Applications with CUDA NVIDIA · 2025

SKILLS

IT skills: R, Python, STATA, LaTeX, Microsoft Office Suite

Languages: Mandarin (native), English (fluent), Cantonese (native)