

Yifei YUAN

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EDUCATION

The Chinese University of Hong Kong

Expected: 09/2021 – 05/2026

Bachelor of Social Science in Economics

Hong Kong

- Relevant Courses:

Probability and Statistics(A), Calculus(A), Advanced Microeconomics(A-), Macroeconomics(A-), Machine Learning(A)

- Major GPA: 3.8/4 First Class Honours

University of Geneva (Semester Exchange)

02/2024 – 07/2024

Exchange Program at GSEM

Geneva

- Relevant Courses:

Econometrics(A), Development Economics(A), Game Theory(A), Computational Social Science(A-)

- GPA: 5.8/6 Top 1%

Peking University (Summer School)

06/2023 – 08/2023

Fudan University (Summer School)

07/2024 – 08/2024

RESEARCH EXPERIENCE

Shenzhen Institute of Advanced Technology, Chinese Academy of Science

Expected: 12/2024 – 12/2025

Institute of Technology for Carbon Neutrality

Shenzhen

Research Intern (Supervisor: Prof. Sun Liquan)

- Conducted spatiotemporal analysis of global urban nighttime light dynamics using ArcGIS and Python. Applied Mann-Kendall test to identify regions with statistically significant trends.
- Constructed panel data based on remote sensing data sources. Analyzed policy's economic and environmental impacts through econometric modeling.
- Participated in a national-level research project on environmental governance of lithium supply chains. Conducted life-cycle assessment modeling and carbon accounting across 5 mining-to-battery production facilities in Jiangxi Province.

CUHK Business School

07/2024 – 09/2024

School of Accountancy

Hong Kong

Research Assistant (Supervisor: Prof. Zhou Yuqing)

- Cleaned and managed economics dataset. Participated in construction of a matched financial dataset of U.S. publicly listed companies and their global subsidiaries, preparing them for analysis and empirical modeling.
- Coordinated with research collaborators and supported research administration task, including organizing datasets, literature summaries.

CUHK

09/2023 – 12/2023

Department of Economics

Hong Kong

Individual Project (Supervisor: Dr. Vinci Chow)

- Processed web comment dataset by removing hyperlinks, symbols, and a series of bias factors. Performed word lemmatization and feature engineering to convert nature language to vector.
- Built 5 machine learning classifiers (Logistic Regression, GNB, KNN, Random Forest, SVM), conduct visualization for hyperparameter searching, evaluated model via accuracy/precision/recall/F1, and confirmed SVM as top performers

MANUSCRIPTS & PROJECTS

"The Economic and Ecological Returns of Photovoltaic" (Lead) Manuscript submitted *Nature Communication* [\[link\]](#)

"Machine Learning for MBTI Classification: An NLP Approach Using Social Media Comment Data" (Lead) [\[link\]](#)

"Life Cycle Assessment of Lithium Slag Resource Utilization Products" (Participated as research assistant) [\[link\]](#)

"Within-Firm Information Inequality and Employee Wage Disparity" (Participated as research assistant)

PROFESSIONAL EXPERIENCE

ByteDance

09/2023 – 12/2023

TikTok Shop Department

Shenzhen

Data Analysts Intern

- Conducted market research in Southeast Asia and analyzed gaps in the e-commerce market. Produced 5 data analysis reports and provided strategies for operations.
- Participated in 4 major e-commerce campaigns and managed 12 weekly operational cycles. Updated strategies based on operational outcomes.

EasyTransfer

05/2023 – 07/2023

Global Market Department

Beijing

Market Research Intern

- Conducted market research in Hong Kong and produced 2 reports about the market size of Hong Kong.
- Participated in market expansion activity and conducted community operational data analysis.

SEMINAR & CONFERENCE

2025 CUHK Digital Economy Workshop

06/2025

CUHK-PKU Workshop on Innovation and Entrepreneurship

11/2024

SELECTED HONORS & AWARDS

Full Tuition Scholarship & Honours at Entrance (HKD 700,000)

07/2021

S.H. Ho College Matriculation Scholarships for Academic Excellence

10/2021

HKSAR Government Scholarship (HKD 80,000)

04/2023

Asia-Pacific Economic Cooperation Scholarship

04/2023

Dean's List Award

08/2023

S.H. Ho College Advanced Scholarship (HKD 1,500)

10/2023

S.H. Ho Foundation Scholarship (HKD 10,000)

01/2024

OAL Exchange Scholarship (HKD 20,500)

01/2024

SKILLS & INTERESTS

Language: English (fluent), Mandarin (native)

Computer: STATA, Python, ArcGIS