

YIHANG FENG

AI Safety and Evaluation | Reliable Machine Learning | LLM Reasoning and Decision-Making

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EDUCATION

London School of Economics and Political Science (LSE)

MSc Data Science

Expected 2027

London, UK

Huazhong University of Science and Technology (HUST)

Bachelor of Economics, Major in Economic Statistics

Sep 2022 - Jun 2026

Wuhan, China

Cumulative average 86.5/100; GPA 4.14/5.0; completed 137.5 required credits.

Selected coursework: Advanced Programming Language (97), Multivariate Statistical Analysis (89), Econometrics (87), Stochastic Processes (86), and Game Theory (92).

St. Antony's College, University of Oxford

Summer School in Artificial Intelligence and Machine Learning

Aug 2025

Oxford, UK

Completed the programme with grade A-.

RESEARCH AND PROJECTS

Machine Learning Models for Gold Price Prediction: A Comparative Study

2024

First Author | Conference study, ICFMDE 2024

Compared Random Forest, LSTM, GRU, and TCN for gold-price forecasting using historical financial data and global market indicators.

Found TCN delivered the strongest predictive accuracy, while GRU offered efficiency advantages.

Impact of the Carbon Emission Reduction Facility on Clean Energy Development

Team Leader

Empirical policy research project | Wuhan, China

Led a study of how China's CERF policy affects clean-energy development, financing barriers, innovation, and sustainability outcomes.

Built Python and Stata workflows using DID, PSM, IV-2SLS, MICE, and spatial panel models to address missing data, selection bias, endogeneity, and robustness.

Managed project planning, model construction, data processing, and policy-recommendation drafting as team leader.

Comparative Analysis for Carbon Monoxide Prediction in Air Quality Forecasting

Machine Learning for Finance and Business Analytics Research Seminar | Remote

Studied statistical inference, supervised and unsupervised learning, tree-based models, and deep learning.

Delivered a carbon-monoxide forecasting project, research paper, and final presentation.

Chronicle - Privacy-First macOS Work Timeline

Jan 2026 - Present

Independent Builder | github.com/Oboluan0/Chronicle

Independently built an offline macOS menubar app that captures work sessions, supports markers and tag rules, and exports Markdown or CSV reports.

Implemented a code-driven SwiftUI and AppKit architecture for the menubar popover, dashboard, and preferences windows, backed by local SQLite storage.

Designed permission-gated optional window-title capture and a bilingual English and Simplified Chinese interface.

RESEARCH LEADERSHIP

HUST Economics, Public Health, and Computer Science Joint Social Practice Team

Aug 2024

Provincial Team Leader, Shaanxi Province | Weinan, China

Led a 10-student field research team on local healthcare systems and coordinated interviews and site visits with government and medical institutions.

Collected and validated 1,200+ resident questionnaires while managing timelines, resources, and final reporting.

TECHNICAL PROFILE

Programming and tools: Python, Stata, Swift, SwiftUI, AppKit, SQLite, Microsoft Excel, VS Code.

Machine learning: Random Forest, LSTM, GRU, TCN, supervised and unsupervised learning, tree-based models, deep learning applications.

Quantitative methods: Econometric modeling, DID, PSM, IV-2SLS, MICE, spatial panel models, policy evaluation, data visualization.

Languages: Mandarin (native); English (IELTS Academic 7.0, 2025).

HONORS AND ADDITIONAL EXPERIENCE

Honorable Mention, Mathematical Contest in Modeling

Feb 2024

Piano Performance Diploma Level, China Conservatory of Music Grading Examination

2023

Long-term piano performance practice; held a personal solo concert in 2023.