YIHANG FENG

AI Safety and Evaluation | Reliable Machine Learning | LLM Reasoning and Decision-Making
Y.Feng60@lse.ac.uk

EDUCATION

London School of Economics and Political Science (LSE) — **Expected 2027**
MSc Data Science — London, UK

Huazhong University of Science and Technology (HUST) — **Sep 2022 - Jun 2026**
Bachelor of Economics, Major in Economic Statistics — 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 — **Aug 2025**
Summer School in Artificial Intelligence and Machine Learning — 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/0boluan0/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.