

Fei Huang

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Machine Learning Engineer with strong foundation in ML pipeline development and model deployment. Skilled in Python, PyTorch, and MLOps tools. Experience building end-to-end ML systems from research to production. M.Sc. in AI from VU Amsterdam. Seeking to contribute to Picnic.

EDUCATION

Vrije Universiteit Amsterdam, The Netherlands

M.Sc. in Artificial Intelligence (GPA: 8.2/10)

Amsterdam

Sep 2023 – Aug 2025

Thesis: Uncertainty Quantification in Deep Reinforcement Learning under Noisy Environments

Tsinghua University, China

B.Eng. in Industrial Engineering

Beijing

Sep 2006 – Jul 2010

Certification: Databricks Certified Data Engineer Professional (Feb 2026)

PROFESSIONAL EXPERIENCE

GLP Technology

Senior ML Engineer & Team Lead

Shanghai, China

Jul 2017 – Aug 2019

- Joined as founding data team member at fintech startup; built credit scoring engine from scratch including data pipelines, feature engineering, and model deployment using logistic regression and scorecard methodology.
- Engineered automated data pipelines using Python and SQL; integrated payment gateway APIs and coordinated collection operations.
- Led PySpark workflow implementation to process large-scale datasets, reducing processing time and enabling daily risk reporting.
- Developed automated anomaly detection systems to monitor loan portfolio health and identify early warning signals for delinquency.

Baiquan Investment

Quantitative Developer

Beijing, China

Jul 2015 – Jun 2017

- Developed multi-factor alpha research pipeline for equity markets using Fama-MacBeth regression; identified and validated statistically significant factors including value, momentum, and event-driven signals.
- Built automated ETL pipeline to ingest daily market data from vendors with data quality validation supporting downstream trading operations.
- Engineered high-performance factor computation engine using vectorized Pandas/NumPy operations; reduced calculation time for technical indicators across 3000+ stocks.
- Developed the underlying event-driven backtesting infrastructure that supported strategy simulation and performance reporting.

Career Note: 2019–2023 included independent investing, language learning (English, German), and graduate preparation.

TECHNICAL SKILLS

ML/AI: Python (scikit-learn, XGBoost, PyTorch), Spark, SQL; LLMs/Transformers, prompt engineering

MLOps: Model validation (PSI, KS, calibration), drift detection, experiment tracking; MLflow

Cloud & Engineering: AWS (EC2, S3), Docker, Git, CI/CD, unit testing, Linux/Bash

Leadership: Team mentoring, knowledge transfer, code review, cross-functional collaboration

INTERESTS

Interests: Philosophy (Kant, existentialism), Dostoevsky, powerlifting, analytical writing
Blog: huangfo6.github.io/FeiThink/en/