

# FEI HUANG

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*Machine Learning Engineer with expertise in developing and deploying ML models at scale. M.Sc. in AI from VU Amsterdam with thesis on Uncertainty Quantification in Deep RL. Experienced in PyTorch, TensorFlow, and production ML systems. Eager to contribute to Picnic Technologies's ML initiatives.*

## EDUCATION

### Vrije Universiteit Amsterdam

*M.Sc. in Artificial Intelligence*

Amsterdam, Netherlands

Sep. 2023 – Aug. 2025

- Thesis: Uncertainty Quantification in Deep Reinforcement Learning
- Relevant Coursework: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision

### Tsinghua University

*B.Eng. in Chemical Engineering*

Beijing, China

Sep. 2006 – Jul. 2010

## WORK EXPERIENCE

### GLP Technology

*Founding Data Scientist*

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 PySpark data pipeline infrastructure for processing loan applications; mentored junior data scientists on best practices.
- Monitored loan portfolio performance and developed anomaly detection reports to identify early warning signals for delinquency and credit risk.

### Baiquan Investment

*Quantitative Researcher*

Beijing, China

Jul. 2015 – Jun. 2017

- Developed multi-factor alpha research pipeline for equities using Fama-MacBeth cross-sectional regression; identified statistically significant factors including value, momentum, and event-driven signals.
- Engineered R-Breaker intraday strategy for CSI futures end-to-end; achieved 14.6% annualized return in live trading.
- Built high-performance factor computation engine using vectorized Pandas/NumPy operations for 3000+ stocks.

### Ele.me (Alibaba)

*Business Analyst*

Shanghai, China

Sep. 2013 – Jul. 2015

- Analyzed user behavior and market trends for food delivery platform during rapid growth phase; provided data-driven insights for business expansion strategy.
- Developed SQL-based reporting dashboards for operations team; automated weekly KPI tracking and anomaly detection.

## PROJECTS

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### Uncertainty Quantification in Deep RL

M.Sc. Thesis

- Developed novel uncertainty quantification methods for deep reinforcement learning agents using ensemble techniques and Bayesian approaches.
- Implemented benchmarking framework in PyTorch to evaluate uncertainty estimation across multiple RL environments.

## SKILLS

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**Languages:** Python, SQL, R, JavaScript

**ML/AI:** PyTorch, TensorFlow, Scikit-learn, XGBoost, Hugging Face

**Data:** Pandas, NumPy, PySpark, Airflow, dbt

**Cloud/Tools:** AWS, GCP, Docker, Git, Linux

**Spoken:** English (Fluent), Mandarin (Native), German (Basic)