

YUANKAI TAO (■■■)

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EDUCATION

University of California, San Diego (UCSD) — M.S. in Quantitative Finance
Expected: Dec 2025 | GPA: 3.83/4.0 | Honors: Beta Gamma Sigma (Top 20%)
Zhongnan University of Economics and Law (ZUEL) — B.S. Management
Graduated: June 2024 | GPA: 3.53/4.0

SKILLS

Programming: Python, SQL, C++, Matlab, STATA, LaTeX
Tools/Libraries: PyTorch, scikit-learn, Pandas, NumPy, PySpark, Git, Docker
Languages: Chinese (native), English (proficient), Japanese (beginner)

TECHNICAL PROJECTS

Performance Optimization of a Yield-to-Worst Solver — Florida Municipal Securities
• Designed caching system achieving 9x performance increase; Numba JIT solver with 210x speedup
Jane Street Market Prediction (Kaggle) — Silver Medal (Top 2.7%, Rank 94/3757)
• Ensemble of NN, Ridge, XGBoost, TabNet models

RESEARCH EXPERIENCE

Research Assistant — Prof. Franklin Qian, UNC-Chapel Hill (Mar 2025 — Present)
• Large-scale data pipeline (Python, PostgreSQL, PostGIS) for 76M observations on GCP
Independent Research — News Media Sentiment & Financial Markets (Jan 2025 — Present)
• BERT-based industry classifier (93.5% accuracy) for sentiment analysis

PROFESSIONAL EXPERIENCE

VariFlight Technology — Data Developer Intern (Jun 2025 — Aug 2025)
• Web scraping, OCR extraction from 600+ PDFs and 500+ webpages
Ernst & Young — Consulting Intern, FSO (Dec 2022 — Feb 2023)

- Financial data auditing for Hyundai Motor Finance Company (China)

CERTIFICATIONS

- Deep Learning Specialization (Coursera, DeepLearning.AI)
- Algorithms and Data Structures Certificate (Coursera, UC San Diego)
- Big Data Fundamentals with PySpark (DataCamp)