YANZHONG (ERIC) HUANG

Edison, NJ | eric.yanzhong.huang@gmail.com | (609) 424-6100
LinkedIn: linkedin.com/in/yanzhonghuang | **GitHub:** github.com/bagelquant | **Website**: bagelquant.com

EDUCATION

Rutgers Business School - Newark, NJ
Master of Quantitative Finance **Dec 2025**
GPA 4.0/4.0

Monash University - Melbourne, AUSTRALIA
Master of Banking and Finance **Jan 2021**

Capital University of Economic and Business - Beijing, China
Bachelor of Business Administration and Accounting **Jul 2018**

PROFESSIONAL EXPERIENCE

Quantel AI, Inc – New York, US **Jun 2025 – Present**
Quant Developer
- Researched and implemented over 100 fundamental and technical factors for U.S. equities.
- Automated factor evaluation including IC, t-statistics, and forward returns using pandas and statsmodels.
- Built stock scoring models with LSTM and tree-based ensemble methods to generate long-short signals.

Sincere Digits Co. - Beijing, China **Oct 2022 – Jan 2024**
Quant Developer
- Led a backend team of 4 to develop fund selection APIs serving over 500 clients.
- Developed fund metrics (Sharpe, VaR, AVaR, exposure) for multi-dimensional screening.
- Established event-driven backtesting engine for factor strategies and client performance analysis.
- Designed mean-risk portfolio optimizer supporting variance, AVaR, and factor-constrained models.
- Maintained and optimized MySQL-based data pipeline for cleaning and ETL.
- Collaborated with marketing team to deliver internal seminars on multi-factor modeling.
- Refined sales materials by aligning quant language with investment logic, improving clarity and team credibility.

Hongchou Investment - Beijing, China **May 2021 – Sep 2022**
Fund Analyst
- Designed data mining pipeline (clustering, pattern mining) for 4,000+ Chinese private funds.
- Built risk scoring system reducing fund universe to a curated shortlist of 300 high-quality funds.
- Automated data ingestion and dashboard reporting in Excel VBA, streamlining weekly fund reviews.
- Assisted investment committee in selecting a pool of 50 investment-ready funds with scenario analysis.
- Managed 5 funds with total AUM of ¥20M CNY, achieving an average 20% return from Aug 2021 to Aug 2022.
- Conducted due diligence on two quant private funds per week and authored comprehensive analysis reports.

PROJECTS

Bagel-factor (Python) **Summer 2025**
- Developed Python package to automate factor evaluation using IC, IR, and regression analysis.
- Implemented multiple evaluation modes (sorting, cross-sectional regression, time-series models).

McGill International Portfolio Challenge **Fall 2024**
- Advanced to semi-finals with proposal of liquidity-integrated pension plan for FL Dept of Finance.
- Built income projection and multi-period asset allocation model for aging population.

Bagel-tushare (Python) **Spring 2024**
- Created pipeline to pull China A-share data via Tushare and store in MySQL using SQLAlchemy.

BagelQuant (Portfolio Website) **Spring 2024**
- Built personal blog documenting projects, research notes, and quant tutorials.

SKILLS

Programming: Python (scikit-learn, TensorFlow, Keras, tkinter, PyQT), C++, R, SQL, MATLAB, VBA, Linux, Java.
Tools: MySQL, PostgreSQL, Git, GitHub, PyCharm, Tableau, MS PowerPoint, MS Excel, LaTeX.
Finance/Quant: Machine Learning, Deep Learning (RNN, LSTM), Optimization, Data Analysis, Multi-Factor Models.