

尹硕

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教育经历

清华大学 经济与管理学院 金融硕士	2025/9 - 2027/6(预计), 中国北京
• GPA: 4.0/4.0 在修课程: 金融数据分析, 金融衍生工具, 金融科技导论, 大模型与生成式人工智能	
上海交通大学 生物医学工程学院 工学学士(电子信息方向)	2021/9 - 2025/6, 中国上海
• GPA: 3.8/4.0 上海交通大学 A 等学业奖学金 上海交通大学优秀毕业生	
• 主要课程: 数据结构, 数理方法, 信号与系统, 统计学, 线性代数, 量子力学	
• 课程助教: 担任上海纽约大学推荐系统(CSCI-SHU 381), 机器学习(CSCI-SHU 360)课程助教	

实习经历

明法投资	量化研究实习生, 高频创新自营组	2025/12 - 至今, 中国上海
• 针对高流动性加密货币合约, 从原始 L2 订单簿构造序列输入; 通过二维卷积分别捕捉“时间模式/价位档位关系”, 基于 Inception 进行多尺度特征融合后接时序回归头, 实现收益预测全流程策略		
• 用时序卷积网络替代递归结构以提升并行效率与梯度稳定性, 扩展为多预测任务模型, 通过交叉注意力和残差传递实现短期信息向长期预测的有效注入, 监控实时订单簿建立做市策略中		
灵均投资	量化研究实习生, 股票组	2025/8 - 2025/11, 中国北京
• 机器学习截面预测: 结合 A 股 1k+ Alpha 因子库, 设计优化模型输入输出, 依次构建树模型和深度学习模型, 滚动训练关键交易日并优化模型, 实现相对 baseline 10%以上的提升, 最优模型回测多头年化收益 40%+并纳入实盘		
• 深度学习时序策略: 建立时间序列数据输入, 独立完成多个完整 baseline 并进行 Stacking 集成, 关注网络结构优化、损失函数设计和注意力架构, 超参数调优并组合后回测年化收益 50%+, 部分 baseline 模型已纳入实盘		
蚂蚁集团(支付宝)	大模型研究型实习生, 百灵团队	2025/4 - 2025/8, 中国上海
• 爬取数据、构造算子建立通用知识数据库; 完整建立问题筛选和指标归纳模型, 通过 PPL 等指标预筛选、迭代归纳、微调小模型以流程化优化数据, 从而帮助 Ling 2.0 系列三种开源模型通用预训练/后训练并纳入 Tech Report		
• 使用 2T 代码数据退火训练 Ling-coder-1B 模型, 在主流代码 benchmark 上持平 Qwen2.5-Coder-1.5B; 使用 1.8T 数学数据持续训练得到 Ling-math-1B, 主流数学 benchmark 上超越 Qwen2.5-Math-1.5B 和 Qwen3-1.7B-Base		

研究&项目

TS-Agent: 基于强化学习的金融时间序列预测 Agent 框架 CCF-B 一作&通讯	2025/6 - 2025/9
• 设计探索增强微调机制, 通过 GLM 和 Deepseek 生成千余条专家轨迹, 对 Qwen2.5-14B 预训练扩展策略空间	
• 设计复合奖励函数分步强化学习, 提升复杂建模过程的样本效率, 在多个金融任务上超越更大规模的基线模型	
LNG 现货运费的多重分形特征: 洞见、预测与交易策略 SCI 二区共一	2024/2 - 2024/9
• 基于 MF-DFA 等计算和多峰分析验证 LNG 现货运费多重分形性, 建立谱分解成分、长程相关性强度等因子信号	
• 使用时序方法进行 LNG 期货收益预测, 结合 Hurst 指数等指标实现技术策略切换, 回测年化收益率超 36%	
用于体数据与实时流式数据的零样本 OCT 分割 SPIE 2025 会议	2024/1 - 2024/5
• 实现基于提示的 OCT 分割流程, 支持体数据与在线流式推理, 减少跨设备/协议场景下对重新标注与再训练的依赖; 同时筛选足量病理临床视频帧冻结 backbone 训练 Mask Decoder, 在可部署规模的分割模型中实现 SOTA	
Optiver - Trading at the Close	2023/9 - 2024/3
• 基于订单簿和拍卖薄数据, 挖掘高频市场微观结构因子, 包括买卖不平衡度、价量三重比率、参考价位滞后/差分、统计矩、订单深度加权价差及波动率代理, 结合时序差分与滚动窗口聚合, 实现因子有效性验证与噪声过滤	
• 构建 LightGBM 预测模型, 时序滚动训练并进行超参数优化, 重训练后在验证集上 MAE 为 5.473	
基于 BERT 的 ESG 实时指标和评级模型 上海交通大学优秀 PRP 项目	2022/6 - 2023/2
• 独立完成全部数据收集、模型微调和指标建立; 统计归纳机构主流 ESG 体系, 爬取雪球等交易平台的公众舆论和披露信息建立数据库并实时更新, 微调 Bert 模型建立文本评级框架, 对 3000+上市公司给出特定 ESG 评级	
• 后续(2025 年)迁移到加密货币领域, 从 X/Crypto 新闻源爬取文本输出日频情绪分数, 与主流情绪指数基本相符	

其他信息

语言能力: 托福 108, 普通话二甲

编程技能: Python, SQL, C++; 在电气、数院多个院系-企业项目中负责核心工作, 有较强工程能力; 独立开发/讲解深度学习辅导项目, 涉及医学图像、大模型从零开始系列、地理信息分析等方向进行假期授课

兴趣爱好: 围棋(AlphaGo 激起了我学习 AI 的兴趣), 扑克, 篮球, 健体, 旅行

Shuo Yin

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EDUCATION

Tsinghua University, School of Economics and Management <i>Master of Finance</i>	Beijing, Sept 2025-Jun 2027 (Expected)
Shanghai Jiao Tong University, School of Biomedical Engineering <i>Bachelor of Engineering (Electronic & Computer Eng. Track)</i>	Shanghai, Sept 2021-Jun 2025

- Current Courses: Financial Derivatives, Financial Data Analysis, Introduction to FinTech, LLM and Gen AI
- GPA: 3.8/4.0 | Merit Student Award | First Class Academic Scholarship | Outstanding Graduate
- Core Courses: Data Structures; Mathematical Methods; Signals & Systems; Statistics; Linear Algebra; Quantum Mechanics
- Teaching Assistant: Served as a TA for *Recommender Systems* and *Machine Learning* at Shanghai New York University

INTERNSHIP EXPERIENCES

Minghong Investment	<i>Quantitative Research Intern</i>	Shanghai, Dec 2025-Present
Conducted research on crypto machine learning, market-making and arbitrage strategies in the overseas HFT prop trading team		
• Developed an end-to-end return forecasting pipeline for highly liquid crypto perpetual futures by converting L2 order book data into time-series inputs; leveraged multi-scale convolutional feature extraction and a regression head for prediction		
• Optimized the model architecture to improve training stability and inference efficiency; extended to a multi-task setup and used attention to propagate short-term signals into longer-horizon forecasts, supporting real-time monitoring for market-making		
Lingjun Investment	<i>Quantitative Research Intern</i>	Beijing, Aug 2025-Nov 2025
Worked primarily on model research and strategy development for A-share equities in the core stock team		
• Machine Learning Cross-Sectional Forecasting Leveraged a 1,000+ alpha-factor library for China A-share equities; built tree-based and deep learning models with rolling training around key trading dates, and delivered >10% improvement over the baseline. The best model achieved 40%+ annualized long-only return in backtests and was deployed to live trading		
• Deep Learning Time-Series Strategies: Built end-to-end time-series pipelines, implemented multiple baselines and a stacking ensemble; focused on architecture optimization, loss function design, and attention mechanisms, with hyperparameter tuning and model combination achieving 50%+ annualized return in backtests. Several baseline models were deployed to live trading		
Ant Group (Alipay)	<i>LLM Algorithm Intern</i>	Shanghai, Apr 2025-Aug 2025
Contributed to Ling 2.0 by building corpora and training Ling-Coder-1B/Ling-Math-1B to validate dataset effectiveness		
• Built a general knowledge corpus via web crawling and reusable data operators; implemented a streamlined pipeline for question filtering and metric summarization (PPL pre-screening, iterative consolidation, lightweight fine-tuning), improving data quality for pre-/post-training of three open-source Ling 2.0 models and contributing to the Tech Report		
• Trained Ling-Coder-1B with 2T tokens of code data, matching Qwen2.5-Coder-1.5B on major code benchmarks; continued training Ling-Math-1B, outperforming Qwen2.5-Math-1.5B and Qwen3-1.7B-Base on mainstream math benchmarks		

RESEARCH & PUBLICATION

TS-Agent: RL Empowered LLM Agents for Financial Time Series Forecasting	Jun 2025-Sept 2025
• Developed TS-Agent, an RL-powered agent for financial time-series forecasting; leveraged an LLM-generated strategy pool for exploration-augmented fine-tuning and implemented stepwise RL with a custom module seeded from curated strategies.	
• Improved strategy generation beyond baseline by over 10% , with strategy performance close to top-tier LLMs	
Multifractal Characteristics of LNG Spot Freight Rates: Insights, Forecasting & Trading Strategies	Feb 2024-Sep 2024
• Built time-series models to forecast LNG futures returns; verified the multifractality of LNG spot freight rates using MF-DFA and multimodality analysis, and derived factor signals such as spectral components and long-range dependence strength	
• Implemented regime-switching strategies using indicators (e.g., Hurst exponent), achieving 36%+ AR in backtests	
Optiver -Trading at the Close	Sep 2023-Mar 2024
• Developed high-frequency market microstructure factors from order book and auction data, including buy-sell imbalance ratios, price-volume triple barriers, reference price lags/differentials, among others	
• Built LightGBM model with rolling training and hyperparameter optimization; achieved MAE of 5.473 on validation set	
BERT-Based ESG Real-Time Metrics and Rating Model	Jun 2022-Feb 2023
• Summarized mainstream institutional ESG frameworks, built and maintained a real-time database by scraping public data from platforms like Xueqiu, fine-tuned BERT to develop a text-based rating system, and delivered ESG ratings for 3,000+ companies	
• Migrated the framework to the cryptocurrency sector in 2025: Generated daily sentiment scores from X/Crypto news feeds, with results aligning closely with leading industry sentiment indices	

ADDITIONAL INFORMATION

- **Language:** English (TOEFL: 108), Chinese (Native)
- **Programming & Engineering:** Proficient in Python, SQL, and C++; led core development in multiple university-industry projects, demonstrating strong engineering execution. Independently developed and taught deep-learning tutoring modules (medical imaging, LLMs from scratch, and geospatial analytics) in intensive holiday courses
- **Interests:** Go (inspired by AlphaGo to pursue AI), poker, basketball, fitness training, and travel