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Experience

***Quant Researcher,* QMS Capital Management** Durham, NC (Jul 2021 – Oct 2025)

- Directed alpha research across FX, commodity, equity, and fixed income futures resulting in 11 production ready trading strategies
  - Created ML-driven trading strategies (Neural Nets, XGBoost, Affinity Propagation, Kalman Filter, Lasso)
  - Innovated proprietary macro indexes (e.g. bond risk premia, country sentiment) for economic-based signals
  - Incorporated higher frequency metrics like order flow data to enhance predictive signals
- Introduced Emerging Markets FX trading at the firm
  - Managed the universe selection, portfolio construction, signal weighting and risk management
- Built the firm's Python-based infrastructure from scratch, significantly improving robustness and research velocity

***Researcher,* UCLA (Federal Reserve Bank of Philadelphia)** Los Angeles, CA (Jun 2020 – Jun 2021)

- Applied NLP techniques to quantify the effect of COVID-19 policies on households by analyzing state and local government documents across the U.S.
- Analyzed the effect of world events on trends in equity, debt, and real estate

***AFP,* GIC (Singapore Sovereign Wealth Fund)** San Francisco, CA (Mar 2020 – Dec 2020)

- Developed an NLP-driven trading strategy on U.S. equities by analyzing 10-K filings to uncover peer mispricings

***Software Engineer,* WeInvest (Startup)** Bangalore, India (Mar 2019 – Jul 2019)

- Implemented and deployed a white-labeled robo-advisory platform for banks across Singapore and the Middle East

***Software Engineer/Product Lead,* Zoho ManageEngine** Chennai, India (Jun 2017 – Mar 2019)

- Built product Zoho Zeptomail from inception to product launch, now being used by 2.5k+ organizations
- Spearheaded feature ideation, technical design, and execution to create a competitive product
- Led a cross-functional team of 12 developers, designers, testers, marketing and content writers

Research and Selected Projects

Automated Nifty Stocks Strategy

- Researched, developed, and deployed a multiple stat arb trading strategy on the top 100 NSE stocks (Nifty 50 + Next 50) over Google Cloud, with dynamic universe selection in backtesting to avoid survivorship bias.
- Sharpe Ratio 3.52 on 10% daily turnover

Entrepreneurial & Platform Initiatives

- Founded and built an invoicing software startup (end-to-end ownership; ultimately shut down)
- Initiated a student-led quantitative investment fund framework at UCLA

Competitions

- *Booth Investment Competition:* Represented UCLA at the Chicago Booth Investment Competition-Quant track
- *CFA IRC:* Represented UCLA at CFA IRC and performed financial analysis on Snapchat

Education

UCLA Anderson School of Management Los Angeles, CA (Sep 2019 – Dec 2020)

Master of Financial Engineering

Vellore Institute of Technology Vellore, India (Aug 2013-May 2017)

Bachelor of Technology, Computer Science, and Engineering

Technical Skills

Languages: Python, Java, R, Matlab, SQL

Infra: Kafka, Redis, GCP, AWS

OS: Windows, Mac, Ubuntu

Interests: Soccer, Martial Arts, Tennis, Car Racing, Horology