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EXPERIENCE

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

- Directed end-to-end alpha research across FX, commodity, equity, and fixed income futures resulting in 11 production trading strategies
  - Innovated economic-based macro predictors (e.g. bond risk premia, country sentiment, inflation expectation, gdp nowcast) using country fundamentals and alternative data
  - Researched ML-driven trading strategies (Neural Nets, XGBoost, Affinity Propagation, Kalman Filter, Lasso)
  - Incorporated higher frequency metrics like order flow data to enhance predictive signals
  - Evaluated alternative data based on signal orthogonality and economics; negotiated pricing and ongoing vendor communication
- Introduced Emerging Markets FX trading at the firm
  - Managed the signal research, portfolio construction, regime modelling and risk management
- Designed and implemented a modular research and backtesting framework with integrated data pipelines, transaction cost modeling, performance attribution, and production monitoring.
- Interfaced with global sell-side desks and academia to aggregate broker views, synthesize macro themes, and translate discretionary views into systematic trade hypotheses.

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

- Applied NLP to quantify the effect of COVID-19 policies using state and municipal documents across the U.S.
- Analyzed the effect of world events on diversification potential 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
- Led a cross-functional team of 12 developers, designers, testers, marketing and content writers

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RESEARCH AND SELECTED PROJECTS

Automated Nifty Stocks Strategy

- Researched, developed, and deployed a multiple stat arb trading portfolio on the top 100 NSE stocks over Google Cloud, with dynamic universe selection in backtesting to avoid survivorship bias resulting in 3 sharpe,10% 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

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