

EXPERIENCE

Quant Researcher, QMS Capital Management

Durham, NC (Jul 2021 – Present)

- Directed alpha research projects across FX, commodity, equity, and fixed income futures
 - o Created ML-driven trading strategies (Neural Nets, XGBoost, Affinity Propagation, Kalman Filter, Lasso)
 - o Innovated proprietary macro indexes (e.g. bond risk premia, country sentiment) for economic-based signals
 - o Added fundamental factors such as sovereign risk, IV skewness, country fundamentals, etc. into alpha models
 - o Incorporated order flow imbalance to enhance predictive signals
- Led the firm's expansion into the universe of emerging market currencies
 - o Built infrastructure to screen currencies for inclusion based on risk profile
 - o Designed 10 successful trading strategies
- Designed Python-based infrastructure for research workflows and data pipelines, significantly improving robustness and research velocity

Researcher, UCLA

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

Bangalore, India (Mar 2019 – Jul 2019)

- Managed the implementation, deployment, and client engagement of white labelled Wealth Management Robo Advisory product for the following Singapore and Middle East banks: OCBC, Mubasher and CIMB

Software Engineer, Zoho ManageEngine

Chennai, India (Jun 2017 – Mar 2019)

- Developed core features of the product Zoho Zeptomail being used by 2.5k+ organizations (mail sending, searching and asynchronous/ multi-threading framework) in Java
- Led a team of 12 developers, designers, testers, and content writers in developing key modules and features such as bounce parsing, tracking, emailcast and developers console

RESEARCH

Automated Nifty Stocks Strategy

- Researched, developed, and deployed a multiple stat arb trading strategy on the top 90 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

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