

ABHISHEAK MALL

trescommas.github.io | shakecross@gmail.com

Education

BEng in Computer Science, Hong Kong University of Science and Technology 09/2016 – 07/2020

Minor in Big Data Technology

Highlights: Research Assistant, Student Ambassador, University Scholarship

Work Experience

Lead Software Engineer, Aris Intelligence Corporation 09/2018 – Present

- Engineered low-latency systems in C++ for high-frequency trading and market making for FX and cryptocurrency markets
- Developed a machine learning focused trading framework capable of training multiple model structures and online learning
- Designed data collection pipelines to collect and store tick-level data for Forex, CFDs, and cryptocurrencies to InfluxDB
- Created a system in TypeScript to optimise yields across various decentralized lending and farming pools in ETH, BSC and MATIC blockchains

Data Science Intern, Squared-S Artificial Intelligence 06/2018 – 09/2018

- Implemented an NLP based dashboard in Python using Plotly for visualising various financial products with respect to the latest news and trends
- Analyzed cryptocurrency and forex market data to identify potential arbitrage opportunities

Web Developer Intern, AppIt 06/2017 – 08/2017

- Designed and developed front-end applications using HTML/CSS/Javascript
- Reached front-page on Google search after developing an effective SEO strategy with the marketing team
- Created full-stack web applications in Flask and Nodejs
- Reduced the loading time for the company webpage by 70%

Research

Research Assistant, Hong Kong University of Science and Technology 06/2018 – 09/2018

- Researched applications of knowledge graphs in the financial space
- Designed algorithms to fetch inter-company relationships from WikiData
- Implemented a knowledge graph to visualize networks of relationships between publicly traded companies in the U.S

Professional Skills

Programming	Python • C++ • JavaScript • MQL4
Concentration	Algorithmic Trading • Data Visualization • Artificial Intelligence
Others	Git • Linux • Jira • AWS S3 • AWS EC2