

Jirathip Kunkanjanathorn

📍 Bangkok 📞 +66 61-146-6922 ✉ jirathip.ku@gmail.com 🌐 jirathip-k 🐙 jirathip-k 🖥 https://jirathip-k.github.io/

Experience

Quantitative Modeler 📍 *Yuanta Securities, Bangkok, Thailand* April 2024 - Present

- Developed and maintained internal libraries and frameworks that streamline the research, backtesting, and deployment of the trading strategies.
- Introduced and trained the team on data orchestration tools, enhancing the ETL process and automating key aspects of the trading system, resulting in improved efficiency and scalability.
- Researched and deployed personalized live trading strategies tailored to individual retail clients, optimizing their portfolios based on specific needs and risk profiles.
- Explored on novel quantitative techniques (e.g., reinforcement learning and deep learning) to advance algorithmic trading strategies.

Data Scientist - Intern 📍 *Data Cafe, Bangkok, Thailand* March 2024 - April 2024

- Engineered prompts and optimized Langchain functionalities, incorporating features such as self-correction mechanisms and data enrichment to bolster the effectiveness of Language Model-based systems (LLMs).

Software Engineer - Part time 📍 *Synergy Services, Bangkok, Thailand* Jan 2024 – March 2024

- Gathered requirements from company executives utilised Hugo to build and develop synergyservices.co.th
- Coordinated with the marketing manager designing the UX/UI for the website and optimised SEO

Portfolio Manager 📍 *MFC Asset Management, Bangkok, Thailand* Dec 2020 – Feb 2022

- Managed mutual and provident funds in foreign equity markets with fund size of \$1M to \$200M including developed market fund, Asian fund, Asean fund, and thematic funds to achieve higher than the market benchmark
- Invested in stocks, ETFs, and mutual funds regarding each fund investment policy to enhance risk adjusted return
- Initiated ideas of and sourced new investments for portfolios through combination of market regime and stocks by visualising data and analyse relevant metrics
- Communicated with investment committee, advisory and marketing division monthly regarding current situation, future plan and opportunities

Assistant Portfolio Manager 📍 *MFC Asset Management, Bangkok, Thailand* Dec 2018 – Dec 2020

- Researched and forecasted companies outlook on daily basis to assess credit risk and purpose for investment opportunities for domestic fixed income securities and global equities
- Built external relation with potential and current investment opportunities and assessed business direction from high level executives

Investment Analyst - Intern 📍 *FWD Life Insurance, Bangkok, Thailand* May 2017 – Aug 2017

FWD Life Insurance, Bangkok, Thailand

- Forecasted company's financial outlook and credit risk by incorporating economic outlook and company plans
- Collaborated with corporate actuarial division to plan cash flow for asset liability matching

Education

Master of Data Science – awarded with distinction Feb 2022 – Dec 2023

Monash University – Melbourne, VIC, Australia

Bachelor of Business Administration – Finance

Aug 2014 – Aug 2018

Chulalongkorn University – Bangkok, Thailand

Skills

Programming Languages

🐍 Python | 🚀 Go | 📘 TypeScript | 📄 JavaScript | 🌐 HTML | 🎨 CSS | 🗄 SQL | 🐚 Bash | 🐟 Fish

AI, Deep Learning, & Machine Learning

Natural Language Processing | Computer Vision | Neural Network | Generative AI

AI & Deep Learning Frameworks

📦 Scikit-Learn | 🔥 PyTorch | 🧠 Tensorflow | 🌿 LangChain

Web Development Frameworks & Design

ReactJS | FastAPI | Hugo | API Integration | REST API

Development Tools & Infrastructure

🐧 Linux | 🟢 Neovim | 📁 Git | 🐳 Docker | 🐘 PostgreSQL

Projects

- A mobile application aiding visitors in Melbourne with navigation and cultural integration: [Settle Aid](#)
- Tasty recipe and ingredient relationships visualizer: [Tasty Ingredients Pairing](#)