

Jirathip Kunkanjanathorn

 Bangkok  +66 61-146-6922  jirathip.ku@gmail.com  jirathip-k  jirathip-k  <https://jirathip-k.github.io/>

Education

Master of Data Science – awarded with distinction

Feb 2022 – Dec 2023

Weighted Average Mark (WAM) – 84.125/100

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 | React Native | Expo | FastAPI | Hugo | API Integration | REST API

Development Tools & Infrastructure

 Linux |  Arch Linux |  Neovim |  Git |  Docker |  PostgreSQL |  pgvector |  Redis

Experience

Data Scientist - Intern Data Cafe, Bangkok, Thailand

March 2024 - Present

- Conducted comprehensive analysis of various models available in the market to evaluate their performance on tabular data.
- 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 – Present

- 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
- Currently developing the backend phase using Go and HTMX to enhance user experience
- Provided expertise and guidance in critical situations such as domain server downtimes, communicating with the server service providers to resolve issues

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
- Established portfolio management and security analysis best practices overseeing company and legal standards
- Communicated with investment committee, advisory and marketing division monthly regarding current situation, future plan and opportunities
- Achieved top ten funds performance consistently in developed market, Asian, and Asean funds

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

Projects

- Spearheaded the development of a mobile application using React Native and FastAPI in a team with business analysts and frontend developers to aid visitors in Melbourne with navigation and cultural integration. Contributed as a backend developer to the creation of the application, leveraging a pre-trained machine learning model to rank the similarity of user prompts and locations in a vector database – [Settle Aid](#)
- Visualised Tasty recipe and ingredient relationships to highlight the key components in crafting the ultimate dish using D3.js – [Tasty Ingredients Pairing](#)