






# Jirathip Kunkanjanathorn

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## Experience

- AI/ML Consultant**  *Inteltion, Bangkok, Thailand* April 2025 - Present
- Led end-to-end solution design and development of a search platform for ALive, a social media application at AIA by gathering requirements, designing architecture, and collaborating closely with business stakeholders and client technical teams.
  - Implemented Azure-based technologies for data enrichment to deliver scalable and intelligent search solutions.
  - Optimized HomePro's demand forecasting migration from AWS to Microsoft Fabric, improving data pipeline performance with Spark and enhancing ML model accuracy for real-time predictions.
  - Supported sales and presales efforts by creating and delivering technical presentations and proofs of concept (PoCs) for diverse clients in telecom, financial services, and property development sectors, contributing to successful project acquisitions.
- Quantitative Modeler**  *Yuanta Securities, Bangkok, Thailand* April 2024 - April 2025
- Built 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.
  - Developed and deployed personalized live trading strategies tailored to individual retail clients, optimizing their portfolios based on specific needs and risk profiles.
- 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).
- 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
  - 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
  - Conducted site visits and interviews with C-level executives to assess long-term business direction and strategic fit for investment.

## Education

- Master of Data Science** 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 |  SQL |  Bash |  Fish

### AI, Deep Learning, & Machine Learning

Natural Language Processing | Computer Vision | Neural Network | Generative AI | Time Series Forecasting

### AI & Deep Learning Frameworks

 Scikit-Learn |  PyTorch |  Tensorflow |  LangChain | ML Flow

### Data Engineering & Big Data

 Pandas |  Spark Prefect

### Web Development Frameworks & Design

 NestJS |  ReactJS |  FastAPI |  Streamlit |  Hugo | API Integration | REST API

### Development Tools & Infrastructure

 Linux |  Neovim |  Git |  Docker |  Kubernetes |  PostgreSQL |  SQL Server

### Cloud Services

 Azure | Azure Foundry | Azure AI Search | Azure Functions | Microsoft Fabric

## Projects

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