

0926633318
r30411@gmail.com

Junior Wang

GitHub: Kiyom99

EDUCATION

Bachelor of Material Science and Engineering

Sep 2017 - Jan 2021

National Taiwan University

Related courses: Algorithm, Machine Learning, Numerical analysis, C Programming, Python Programming

WORK EXPERIENCE

Backend Developer/Strategy Developer

Jun 2024 - Apr 2025

IINumbers Inc.

- Transformed stock market raw historical data into technical indicators, applied machine learning to analyze data and generate trading strategies.
- Developed and maintained backend architecture in Rust for strategy model inference and signal dispatching integrated with Taiwan stock market data from SinoPac Securities via Kafka.
- Managed strategy backend services and stored processed data in ClickHouse database.
- Designed an automated order management system to execute stock purchases based on generated trading signals.

Software Engineer

Mar 2022 - Apr 2024

Trend Micro

- **AI Department:**
 - Built report and article rating tools using user-interaction data from Google Analytics.
 - Designed and maintained a duplicate article detection system with an API for content comparison.
 - Developed a chatbot using Power Virtual Agent, integrated with internal services via Azure Web Apps.
 - Maintained and debugged legacy code for multiple internal systems.
- **Mobile Application Team:**
 - Built backend APIs using AWS Lambda and API Gateway to manage backend workflows of apps.
 - Set up DynamoDB and SQL Server, integrated Azure Data Explorer for data visualization.
 - Automated signing and publishing of Android apps to Google Play via GitHub Actions.

Research Assistant

Jul 2020 - May 2021

Institute of Industrial Engineering, National Taiwan University

- Using Deep Neural Networks (DNN) and Recurrent Neural Networks (RNN) to predict the output parameters of various industrial machines.

PROJECT

Arbitrage monitoring bot

Jan 2024 - Ongoing

- Integration of various banks and exchanges APIs to handle and store the needed data for short term USDT/TWD arbitrage.
- Monitor the price and interest rate of stable coins on exchanges and DeFi and alert when certain criteria are met.

Crypto Trading and Asset Management

Jan 2024 - Ongoing

- Executed general crypto trading strategies across DeFi platforms and centralized exchanges.
- Performed USDT/TWD arbitrage trading with MAX exchanges.
- Managed liquidation processes via Orderly Network API.
- Deployed capital in staking and lending protocols to optimize yield and asset utilization.
- Oversaw general digital asset portfolio management, balancing risk and return across multiple strategies.

SKILLS

Programming Python, C/C++ , Rust, SQL

Communication Chinese (native), English

Other Git, regex