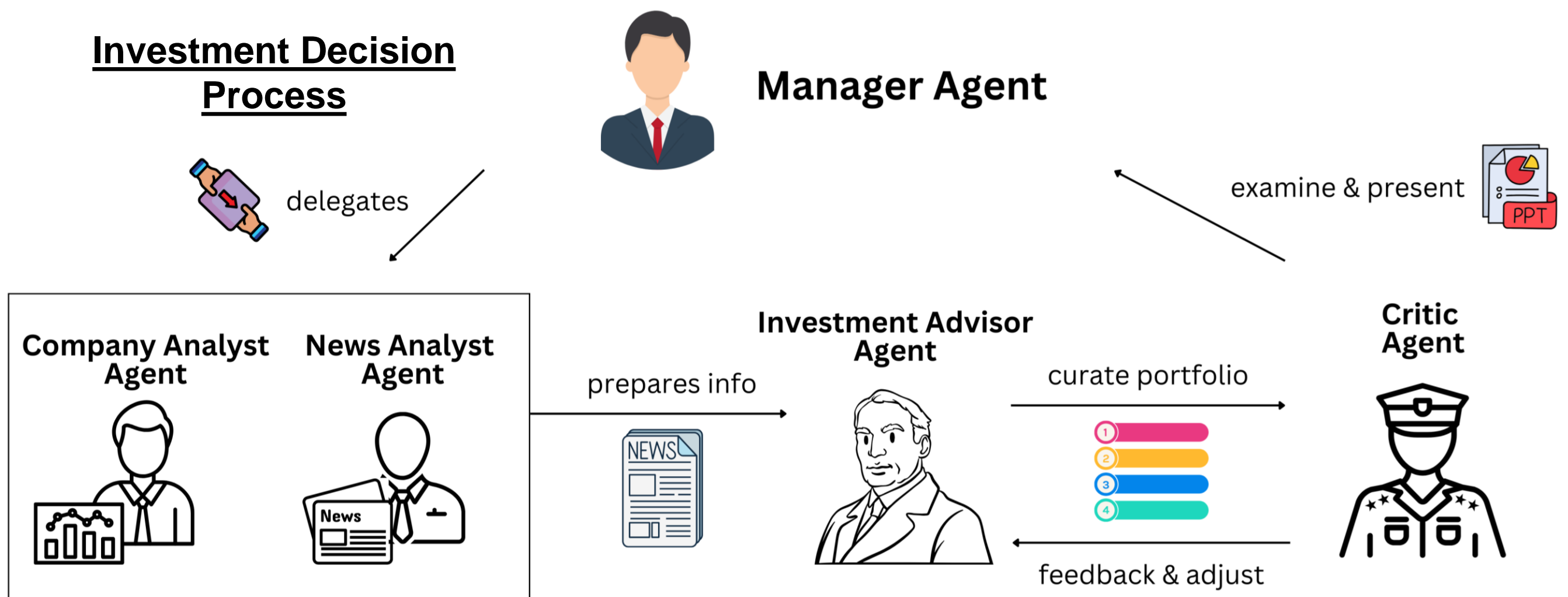


ChatGPT + Quant Finance for Wealth Management (Robo Advisor)

Multi-Agent Hedge Fund Team: The Core of Alventures

Student: Ng Li Wang

Supervisor: Assoc. Prof Wee Keong Ng



Project Objectives:

Alventures is a web-based robo-advisor that leverages a multi-agent framework Crewai and Large Language Models (LLMs) to simulate an AI-driven hedge fund team. This platform aims to enhance investment management by automating the analysis and construction of diversified portfolios. It integrates continuous market and sentiment analysis, Alventures provides insightful investment strategies, adapting real-time to market changes. This sets the stage for a new AI era in financial technology, enabling investors to achieve superior financial outcomes.

Manage Portfolios

PORTFOLIO 1 -

Total Market Value \$9532	Total Profit / Loss \$1430.76	Profit / Loss Percentage 17.66%	Total Users 425
Current prices	Net gain or loss	Relative performance	Subscribed Users

NAME	TOTAL GAIN	SHARES	PRICE	COST PER SHARE	MARKET VALUE
	0.00	1	-	-	-
Alpha Metallurgical Resources Inc	-52.12	2	\$313.83	\$339.89	\$627.66
Amazon.com Inc	231.40	10	\$176.56	\$153.42	\$1765.60
Alphabet Inc Class A	-11.90	7	\$139.79	\$141.49	\$978.53
Home Depot Inc	91.20	3	\$378.99	\$348.59	\$1136.97

Hosted on <https://www.aiventures.site/>

Technology Stack



Core Features

- Market Sentiment Analysis
- Automated Portfolio Construction
- Web-Based Interface