

Pong Yui Yi Monica

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EDUCATION

Zhejiang University <i>Bachelor of Science in Financial math and statistics + AI</i> • Relative courses: Evolutionary Game Theory (GPA: 4.5/5), Econometrics, Artificial Intelligence (GPA: 4.5/5), Micro Economic, etc.	Zhejiang 2021-2025
Peking University <i>Summer School in Engineering</i> • Relative course: Machine Learning Algorithms: From Math to Code (GPA: 84/100)	Beijing July. 2023
Hong Kong University of Science and Technology <i>Bachelor of Science in Financial math and statistics + AI</i> • Relative courses: Linear Algebra, Multivariable Calculus, Statistics and Probability, Machine Learning, Python (A+), C++, Business Finance, Economics, etc.	Hong Kong 2021-2025

WORK EXPERIENCE

Tencent <i>Internship, Financial Technology (FiT)</i> • Utilized jieba and n-gram tokenization in combination with Named Entity Recognition (NER) to segment financial entities, enhancing the AI's understanding of user queries on the Wealth platform. Implemented CNN and K-means for query classification, achieving a 90% accuracy in response precision. • Developed user queries and orders to facilitate further AI learning, fine-tuned prompts to increase response quality, and refined model outputs to enable reinforcement learning improvements.	Shenzhen Jul. 2024 – Aug. 2024
Goldstream <i>Internship, Hedge Trading Department</i> • Performed in-depth quantitative analysis on China and US semiconductor markets using Bloomberg Terminal and advanced data visualization to derive actionable insights and pinpoint market inefficiencies. • Conducted thorough financial modeling and valuation, emphasizing key metrics such as year-over-year revenue growth, net income trends, GMV expansion, and EBITDA margins, which supported the discovery of alpha-generating investment opportunities and strategic portfolio decisions.	Hong Kong Jan. 2024 – Feb. 2024
Honycapital <i>Internship, Stock Research</i> • Created and implemented a Python-based trading model for gold futures, incorporating 90-minute MACD indicators, with extensive back-testing to enhance strategy performance and risk-adjusted returns. • Led a detailed market analysis of the spirits industry, integrating data from multiple sources to craft high-impact research reports that shaped investment strategies and portfolio allocations.	Shenzhen Jun. 2022 – Aug. 2022

PROJECT

Naive Bayes Classifier Development • Independently developed a Naive Bayes Classifier from scratch to predict survival on the Titanic dataset. • Implemented data preprocessing, feature engineering, and model training using Python and Numpy. • Achieved over 80% accuracy in survival prediction, demonstrating strong skills in probability theory and statistical modeling.	Sep. 2023
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SKILLS, ACTIVITIES & INTERESTS

Languages: English (Fluent); Cantonese (Native); Mandarin (Native)
Technical Skills: MS Office, Python, Latex, R, C++, Bloomberg terminal, Wind
Personal: Passionate about new tech, AI and quantitative trading, Robust adaptability, Problem-solving, Collaborative spirit, Multi-tasking.

