Pong Yui Yi Monica

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# EDUCATION

## Zhejiang University Zhejiang

*Bachelor of Science in Financial math and statistics + AI* 2021-2025

* **Relative courses:** Evolutionary Game Theory (GPA: 4.5/5), Econometrics, Artificial Intelligence (GPA: 4.5/5), Micro Economic, etc.

## Peking University Beijing

*Summer School in Engineering July*. 2023

* **Relative course:** Machine Learning Algorithms: From Math to Code (GPA: 84/100)

## Hong Kong University of Science and Technology Hong Kong

*Bachelor of Science in Financial math and statistics + AI* 2021-2025

* **Relative courses:** Linear Algebra, Multivariable Calculus, Statistics and Probability, Machine Learning, Python (A+), C++, Business Finance, Economics, etc.

# WORK EXPERIENCE

## Tencent Shenzhen

*Internship, Financial Technology (FiT) Jul*. 2024 – *Aug*. 2024

* 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.

## Goldstream Hong Kong

*Internship, Hedge Trading Department Jan*. 2024 – *Feb*. 2024

* 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.

## Honycapital Shenzhen

*Internship, Stock Research Jun*. 2022 – *Aug*. 2022

* 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.

# PROJECT

**Naive Bayes Classifier Development** *Sep*. 2023

* 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.

# 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.