

YAN WAI YIN

◇ [linkedin.com/in/nicholasyanwaiyin](https://www.linkedin.com/in/nicholasyanwaiyin) ◇ github.com/NY1105 ◇ nicholasyan.site ◇
◇ +852 93277608 ◇ yanwaiyin1105@gmail.com ◇

WORK EXPERIENCE

Junior Software Developer – Forex Forest Algorithmic Trading

Jun 2022 – Sept 2022

- Developed a Deep Learning Forex Trading Bot with Neuro-Evolution of Augmenting Topologies Algorithm
- Led a team of four in a price-backtesting project
- Utilized MQL4, MQL5 for forex trading analysis and develop trading signal servers

TECHNICAL PROJECTS

- [Swire Hotel Hackathon 2023](#)

Developed an NLP prediction model with a dataset of essays, using bidirectional LSTM model on analyzing personalities based on the five-factor model of psychology.

Proposed a solution architecture utilizing SageMaker, Lex, Lambda and Serverless Application Model on Amazon Web Services.

- [Software Tools Management CRUD App \(Solo Project\)](#)

Built a complete environment on managing software tools with the MERN stack, deployed using cPanel.

- [Deep Learning Forex Trading Bot project with Feed-Forward Neural-network](#)

Created artificial neural networks with NEAT algorithm for developing forex trading strategy.

- [Forex Strategy Backtesting project with Django](#)

Developed a website interface for a backtesting tool, visualized the price data and the strategy analysis.

SKILLS

- Software Development:
Python (FastAPI, Streamlit, Django, Backtrader, BeautifulSoup),
JavaScript, HTML, CSS (MongoDB, ExpressAPI, React, Node.js),
Java, C++, cPanel, Git, Docker, Linux
- Machine Learning:
Tensorflow, Keras, NEAT
- Languages:
Cantonese, English, Mandarin

EDUCATION

City University of Hong Kong (Present)

Sep 2021 – May 2025

- BSc in Computer Science

EXTRACURRICULAR ACTIVITIES

Leader, Machine Learning Developer, Solution Architect – Swire Hotel Hackathon 2023

Feb 2023 – Mar 2023

- Led a team of four in developing a full-stack application with machine learning technologies.
- Developed an NLP prediction model to analyze personalities for best-fitting job positions for recruitment candidates.
- Provided cloud-based solutions to the team.

Marketing Secretary – CityU Model United Nations Society

Sept 2022 – Present

- Applied marketing strategies to increase exposure of the society.

INTERESTS

Mixology and Cocktail Making

Jun 2021 – Jan 2022

- Inspired, created, and served cocktails as part-time bartender at Royal Yacht Club Hong Kong for 6 months.