Kwan Sing **Lie**

Profile Summary

Strong organizational abilities with proven successes managing multiple academic projects/assignments. Able to effectively self-manage during independent projects, as well as collaborate in a team setting. Able to adapt in a flexible way to foreign skills and work environments. My primary goal is to bridge the gap between my academic learning and real-world application. I want to use the knowledge and skills I have acquired throughout my academic journey and apply them practically within the company.

Contact details

@ kwansing2000@hotmail.nl

☎ +31 06 40 16 88 30

⌂ Dagpauwoogstraat 23, 1432NE AALSMEER

Personal information

Citizenship: **Dutch**

Languages: **English** (Fluent), **Dutch** (Fluent), **French** (Beginner), **Cantonese** (Beginner)

Skills

- C++ (Advanced), Python (Advanced), HTML (Intermediate), CSS (Intermediate), Javascript (Beginner)
- Git, Latex, VMWare
- Statistical analysis, Time management, Organized working
- Communication and Team collaboration
- Pandas, NumPy

Education

Master of Science, Computational Science *Universiteit van Amsterdam, Vrije Universiteit Amsterdam.* **2022–2024**
◇ Relevant Courses: Evolutionary Computing, Agent-Based modelling, Computational Finance, Complex System Simulation, Data Mining Techniques

Bachelor of Science, Computer Science. *Universiteit Leiden* ◇ Relevant Courses: Algorithms, Linear Algebra, Computer Architecture, Operating Systems, Databases, Statistics, Software Engineering, Data Science
Thesis: 'How to win in Checkers', I successfully developed a Checkers game using C++, and I conducted a comparative analysis of the Minimax and Monte Carlo Tree Search algorithms in terms of their performance in playing the game. **2019-2022**

Experience

Graduation project intern at *De Nederlandsche Bank - Amsterdam* in the *Data Science* cluster **2024.03–2024.10**

◇ Worked on the research project 'Plutus': The stability of stablecoins: Are these coins stable or is the stability just a flip of the coin?

◇ Conducted quantitative analysis on the volatility of stablecoins and implemented predictive models using traditional econometric models as well as machine learning models (LSTM and GRU).

◇ Performed sensitivity analysis with a statistical comparison between the different models.

◇ Actively participated in workshops and meetings in subjects such as teamwork, communication and writing.

◇ Hosted a workshop about liquidity pools to share knowledge among other colleagues.

High School tutor *Freelance - Amstelveen/Aalsmeer* **2020.08–present**

◇ Helped High School students at home varying levels, first-year to senior year, from VMBO-T to VWO. Mostly Beta subjects like Mathematics, Physics and Chemistry.

Waiter *Tanuki Amstelveen - Amstelveen* **2017.10-2020.02**

◇ Provided exceptional customer service by greeting guests warmly, taking accurate orders, and ensuring a pleasant dining experience.

◇ Managed high-volume tables efficiently during peak hours, maintaining composure and organization to deliver timely service.

◇ Collaborated with kitchen and bar staff to coordinate timely and accurate food and beverage delivery.

Hobbies

From an early age, I have always been playing sports. In my spare time, I most often play sports like tennis or go to the fitness. Otherwise I like to do other sports activities with friends or going out to eat.

Learn more about me on my portfolio website: LINK