

## Tony Koo

<https://lmdlifers.github.io/TonyKoo/>

<https://github.com/LMDLifers>

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## EDUCATION

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|---|-----------------------|
| <b>National University of Singapore (NUS)</b>   | <b>Singapore</b>      |
| <i>Bachelor of Science (Business Analytics)</i> | August 2023 – Present |

- **Grade:** Honours with Merit
- **Awards:** University Engineering Scholarship, Sustainability Exchange 2024 Champion
- **Projects:** Smoodee, IBKR Algo Bot
- **Relevant Coursework:** Programming Methodology, Data Structures and Algorithms, Econometrics

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|---|-----------------------|
| <b>Temasek Polytechnic</b>                  | <b>Singapore</b>      |
| <i>Diploma in Accountancy &amp; Finance</i> | April 2018 – May 2021 |

- **Grade:** Diploma with Merit
- **Awards:** Letters of Appointment: A&F Vice-President and Business EXCO, ISCA award
- **Projects:** Value at Risk, Simulated Portfolio Management, WireCard, YouCard, Portz
- **Relevant Coursework:** Accounting, Economics, Financial and Risk Analysis, FinTech, Tax Management

## WORK EXPERIENCE

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|--------------------------------------|------------------------|
| <b>Tradition Energy Singapore</b>    | <b>Singapore</b>       |
| <b>Quantitative Developer Intern</b> | May 2023 – August 2024 |

- Developed and implemented VBA-driven financial models for forward swap contracts, enhancing client satisfaction and driving successful project outcomes
- Managed server-based spreadsheets encompassing multiple financial instruments, created a centralized workflow with python, thereby improving efficiency by 5 hours and calculation speed from 6.09s to 0.86s.
- Conducted implementation of Nelson-Siegel, Svensson, and monotone convex to yield curve constructions on VBA driven spreadsheets, resulting in more robust calculations for client-facing materials
- Contributed to the development of new financial products by combining market data analysis and modelling expertise, leading to the launch of 2 new instruments in the energy market, expanding business portfolio

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|--|-------------------------|
| <b>Military Medical Institute (Singapore Armed Forces)</b> | <b>Singapore</b>        |
| <b>Medical Technician</b>                                  | July 2021 – August 2023 |

- Provided immediate medical assistance during emergencies, ensuring the stabilization and safety of patients in high-pressure situations.
- Maintained accurate patient records and medical logs, facilitating seamless communication between medical teams for effective treatment.
- Acquired comprehensive training in trauma management and emergency care at the Military Medical Institute, demonstrating readiness for critical scenarios.
- Conducted over 20 emergency simulations with live CPR manikins and dummies.

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|-------------------------------------|---------------------------|
| <b>Tradition Energy Singapore</b>   | <b>Singapore</b>          |
| <b>Middle Office Analyst Intern</b> | September 2020 – May 2021 |

- Assisted in the management and facilitation of high-volume financial transactions between internal departments and external clients, ensuring timely settlements during high-pressure situations
- Spearheaded the onboarding of 20+ international clients, streamlining existing SOPs by incorporating digital documenting systems
- Coordinated with trading desks and operations teams to ensure accurate execution of high-volume trades, streamlining the process to reduce errors, and improving overall operational efficiency
- Worked closely with the London HQ and other regional offices to ensure smooth transactions across time zones, improving coordination and communication between global offices, reducing time-lag in work output

## SKILLS, ACTIVITIES & INTERESTS

**Technologies:** Python, SQL, Java, R, VBA, Tableau, Figma, Microsoft Excel, Word & Powerpoint

**Spoken Languages:** English (Native), Chinese Mandarin (Intermediate), French (Basic)

**Certifications & Training:** Chartered Financial Analyst (CFA) Foundations

**Competitions:** Deloitte, WireCard FinTech, YouCard, Sustainability exchange

**Interests:** Running, Squash, Basketball, Cooking