

JOEL LO LIANG ZE

+65 97921313 • joello@u.nus.edu • <https://www.linkedin.com/in/joello>
Singapore Citizen • <https://github.com/aerodromic> • <https://joelloliangze.com>

EDUCATION

National University of Singapore (NUS) **Aug 2021 - May 2025**
Bachelor of Engineering in Industrial & Systems Engineering, Honours

- Second Major in Data Analytics and Minor in Computer Science
- GPA: 4.18 / 5.0 (Distinction)
- Embarked on a 3-month work-study programme focused on entrepreneurship, as pioneer batch for the Hanoi Chapter of NUS Overseas College (NOC), May 2023 intake.

WORK EXPERIENCE

Business Development Intern, Viettonkin Consulting **May 2023 - Aug 2023**

- Managed client relations for 10 key accounts, resulting in a 10% increase in monthly business.
- Conducted business development activities in Vietnam, Hanoi, and established strategic partnerships with 2 prominent Singapore corporate secretarial companies.
- Implemented predictive analytics with SARIMAX model to recommend 1 year research and content plan for internal teams.

RESEARCH AND TEACHING EXPERIENCE

Teaching Assistant, National University of Singapore **Aug 2023 - Present**

- Instructing a class of 35 students on Industrial and Systems Engineering Principals, IE1111R, specifically mathematical modelling, data analytics and simulation.

Student Research Assistant, National University of Singapore **Jan 2023 - May 2023**

- Researched on applications of computer vision models, DETR model and Deformable DETR model, to detect housekeeping issues on 50+ construction sites in Singapore.

Student Assistant, National University of Singapore **Dec 2021 - Jan 2022**

- Collaborated on creating E-Learning Resources on Replacement Analysis, Risk & Uncertainty and Capital Budgeting for Engineering Economics for 100+ students.

EXTRA CURRICULAR ACTIVITIES

Vice President (Internal), NUS ISE Club **Aug 2021 - Aug 2023**

- Mentored project directors and vice-project directors in medium-scale event planning of 12 events for 300+ members and ensured internal compliance with NUS policies.

AWARDS

-
- Qualified for Semi-Finals for WorldQuant International Quant Challenge 2023 (Group), reaffirming my interest in finance and in alpha creation.
 - Won Best Business Use Case in NTUC FutureX 2022 Regional Hackathon by leveraging onto existing telegram userbase to rollout a blockchain solution for group insurance.
 - Conferred TFLEaRN Programme 2022 Summer Scholarship by Temasek Foundation where like-minded ASEAN youths networked and exchanged ideas, cultures, and future political foresights.

CERTIFICATIONS

-
- Certification in Foundations in AI, AI FOR INDUSTRY (AI4I) ® - AI Singapore
 - Certification in Fundamentals of Investments (CFI) - Wealth Management Institute

SKILLS

-
- Language: English (Native), Chinese (Fluent), Thai (Basic)
 - Web: HTML5, CSS, React.js, Hugo, Git, Github
 - Programming Skills: Java, JavaScript, Python, VBA for Excel, MATLAB, R
 - Technical: Probability, Statistics, Queuing Theory, Convex Optimisation, Data Analysis