

JOEL LO LIANG ZE

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EDUCATION

National University of Singapore (NUS) **Aug 2021 - May 2025**
Bachelor of Engineering, 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 the pioneer batch for the Hanoi Chapter of NUS Overseas College (NOC), May 2023 intake.

WORK EXPERIENCE

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

- Managed client relations, conducted business development activities, and established strategic partnerships with prominent Singapore corporate secretarial companies.
- Supported cross-office coordination between Hanoi and Ho Chi Minh City to work on closing deals that include a Fortune 500 Company.
- Implemented predictive analytics with SARIMAX model to recommend 1 year research & content plan for internal teams.

RESEARCH AND TEACHING EXPERIENCE

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

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

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

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

National University of Singapore, Student Assistant **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

National University of Singapore ISE Club, Vice President (Internal) **Aug 2021 - Aug 2023**

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

AWARDS

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- Qualified for Semi-Finals for WorldQuant International Quant Challenge 2023 (Group).
 - Won Best Business Use Case in NTUC FutureX 2022 Regional Hackathon.
 - Conferred TFLEaRN Programme 2022 Summer Scholarship by Temasek Foundation.

CERTIFICATIONS

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- Certification in Foundations in AI, AI FOR INDUSTRY (AI4I) ® - AI Singapore

SKILLS

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