

NG YEE LUAN (LUANNIE)

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EDUCATION

University College London, United Kingdom

Sep 2025 – Aug 2026 (Expected)

MSc Sustainable Resources: Economics, Policy and Transitions

Key modules: Tools for assessing sustainable resource use (e.g.: MFA, LCA), Industrial Symbiosis (e.g.: UK municipal waste management), Future resource pathways and visions (e.g.: visioning, roadmapping), Resource economics & policy, Risk management

Dissertation topic: Industrial Symbiosis in Bayan Lepas Free Industrial Zone, Penang, Malaysia (Mixed method)

Recognition: Recipient of the Malaysia's Public Service Department (JPA) Scholarship (top ~20% applicant)

University of Malaya, Malaysia

Sep 2016 – Oct 2019

Bachelor of Business Administration (BBA), major in Finance and Banking

CGPA: 3.65/ 4.00

Recognitions: National Champion of CFA Institute Research Challenge (IRC) 2018, APAC Regional Participation for CFA IRC 2018

RELEVANT PROFESSIONAL EXPERIENCE

Accenture Solutions Sdn Bhd, Malaysia (Consultant)

Jul 2021 – Aug 2025

Sustainability & Emission Management

- For a major national energy player in Malaysia:
 - Transformation Delivery: Led GHG emissions data reporting overhaul 600+ equipment points, in line with GHG protocol, achieving x2 reporting accuracy by replacing manual processes and legacy systems for a major Liquefied Natural Gas producing subsidiary.
 - Product Thinking: Demonstrated system capabilities in Scenario and Return on Investment Analysis, Task Force on Climate-related Financial Disclosures (TCFD) aligned risk assessment and compliance monitoring to support enterprise-wide net zero targets.
 - Digital Enablement: Configured Jira workflows to track feature development and auto-flag delays, cutting reporting effort by 50%.
- For a major utilities provider in Malaysia:
 - Solution Design: Developed a Distributed Energy Resources Management System (DERMS) capabilities roadmap and future-state architecture, integrating it with existing systems and shaped vendor selection criteria for renewable-ready infrastructure.

Operating Model & Talent Enablement

- For a leading regional bank in Singapore:
 - Solution Design: Coordinated with senior stakeholder across 6 markets to streamline social media workflows and crisis protocol by cutting content turnaround by 1 week, and boosted senior stakeholders' LinkedIn engagement via a masterclass, increasing post activity and followership by 30%.
- For a tech centre at a leading regional bank in Singapore:
 - Data-driven Insights & Recommendation: Managed on-ground hiring diagnostic across sourcing, timeline and candidate quality, scaling tech hub headcount to 300 hires by 2022 and doubling it the following year.
 - Reporting Automation: Developed an automated Excel hiring dashboard with progress tracking, bottleneck identification, data quality checks, and headcount forecasting, enabling faster intervention.

Capability Assessment & Future State Design

- For a leading universal bank in Malaysia:
 - Data-driven Insights & Recommendation: Conducted core banking assessment across five SEA markets, identifying 100+ legacy gaps to inform built vs buy, capability rollout sequencing and vendor selection.
 - Solution Design: Defined a ~USD 500m core banking blueprint across 5 countries, shaping architecture, platform strategy and roadmap across core (deposits, lending) and cross-product (payments, limits) areas.

Practice Building, Commercial Solutioning & Communication

- Commercial Solutioning: Lead end-to-end commercial proposals, covering solution design, pricing, staffing, and investment cases, for deals ranging from USD 50k to USD 500k, spanning strategy, assessment, and implementation workstreams.
- Develop IP & Capacity Building: Led sub-practice capability building by consolidating training and project updates and building a reusable knowledge base to improve delivery speed and quality.

VOLUNTEERING EXPERIENCE

Circular Business Association, Global (Intern)

Aug 2025 - Current

- Thought-leadership: Co-authored a position paper ([link](#)) for Malaysia's national e-waste and circular economy consultation, drawing insights from 10 SEA business leaders to support evidence-based policy making.
- Digital Enablement & Communication Strategy: Led a social media campaign to amplify policy recommendations, driving 30% higher engagement and deploying content tools that streamlined workflows and doubled output.

Malaysia Youth Delegation, Malaysia (Media Coordinator)

Feb 2025 – Feb 2026

- Communication Strategy: Led a 4-member team to implement a refreshed social media strategy with new storytelling formats and communication approaches, increasing campaigns by 1.5x and boosting followership and engagement by ~20% across 3 channels

KainKoncept, Malaysia (Co-founder)

Jun 2019 – Jun 2024

- Venture Building: Founded a social enterprise empowering 7 stay-at-home mothers with steady income growth of up to 3x their previous household contributions, diverting 400kg of textile waste and reinvesting ~\$5k into community development.
- Recognitions: Featured in [The Star](#), [Free Malaysia Today](#), [Harian Metro](#); Young Social Entrepreneurs Global Programme (2022); First Runner Up in Youth Leadership Academy (partnership with McKinsey MY) (2019); Regional Finalist in ASEAN Impact Challenge (2019)

TECHNICAL SKILLSET

Technical Skills: Material Flow Analysis (MFA), Life Cycle Assessment (LCA), Carbon Accounting & Reporting, Python (visualisation)

Platform Experience: Enablon (Enterprise Carbon Management), SAP (FICO, PM, MM)

RELEVANT COURSEWORK

Exploring Sustainable Electrical and Electronic Equipment (EEE) Management in the Netherlands

- Identified that the Dutch EEE system is constrained by weak collection and traceability, with large equipment accounting for 40% of WEEE but only 59% collected, and PV panels collected at just 16%.
- Applied an integrated sustainability assessment using problem definition, stakeholder mapping, sustainability criteria, MFA, and LCA to assess system flows and environmental hotspots.
- Recommended improving EEE traceability and formal collection, while shifting the PV supply chain toward lower-impact, more recyclable systems and expanding domestic or regional recovery capacity.

Critical Review on the Development of London Sustainable Industries Park (LSIP)

- Assessed LSIP against the World Bank–UNIDO EIP framework across park management, environmental, social, and economic dimensions; found the park was only partially met because governance, monitoring, and shared infrastructure were not in place.
- Used an Eco-Industrial Park assessment together with material flow analysis across Veolia, ReFood, and East London Biogas to map the park's environmental, social, and economic performance and identify under-used resource streams.
- Proposed to move from passive land-use planning to evidence-based network facilitation by appointing a park coordinator, tracking key resource flows, and prioritising exchanges with clear economic and carbon payback, such as low-grade heat recovery.

Towards near-zero fibre fragments pathway for UK garments by 2050

- Analysed the UK garment system's fibre-fragment leakage pathway through a review of 50+ policy and academic sources, identifying that 49% of releases occur in manufacturing, 28% in laundering, and 23% in wear.
- Applied futures and scenario-planning tools, including the Futures Triangle, Futures Cone, 2x2 scenario matrix, and backcasting, to assess transition pathways toward near-zero leakage by 2050.
- Proposed a phased policy roadmap for mandatory filtration and textiles EPR by 2030, supported by standardised definitions, baseline metrics, and eco-modulated fees to improve regulatory effectiveness.

Making Circular Economy Work for Malaysia's MSME (Policy Brief)

- Translated a complex sustainability issue into a concise policy brief and presentation, showing that Malaysia's MSMEs make up 97.4% of firms and contribute about 40% of GDP, yet 51% are still unfamiliar with circular economy practices.
- Synthesised evidence across Malaysia, the EU, and ASEAN to diagnose market, regulatory, and knowledge barriers, and benchmarked leading practices to identify what would move MSMEs from pilot to scale.
- Recommended a national circular economy taxonomy, CE academies and advisory support, and performance-linked financing with simplified reporting and government guarantees to accelerate adoption.