

Kyle Darren Lee

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EDUCATION

Singapore University of Technology and Design

- Bachelor of Engineering (Engineering Systems and Design)
- GPA 4.06/5.0
- Date of Expected Graduation: May 2026

Sept 2022 to Present

WORK EXPERIENCE

WayKo Tech Startup (part-time; remote)

Chief Product Officer, Co-founder

- Co-founded WayKo to modernize supply chain logistics in the Philippines, specializing in automated route optimization for wholesale distributors and last-mile delivery fleets.
- Programmed multi-variable supply chain constraints into an R-based solver engine—including vehicle load capacities, delivery time-windows, and driver shifts—to ensure 100% operational feasibility of generated routes.
- Spearheaded the design of proprietary route optimization algorithms using linear programming in R, significantly enhancing supply chain efficiency and reducing fuel costs for B2B clients.
- Validated product-market fit within the regional supply chain ecosystem by generating over USD 10,000 in revenue.

Manila, Philippines

Sept 2023 to Sept 2025

Ernst & Young (on-site)

Supply Chain Consultant Intern

- Cleaned and organized large-scale datasets in Excel for a global consumer goods conglomerate to ensure data integrity during the implementation of new forecasting software and organizational change initiatives.
- Architected strategic business cases for Microsoft Copilot integration and supply planning optimizations, translating technical research into actionable roadmaps for a market-leading beverage bottling entity
- Facilitated "Future-State" design thinking workshops for Tier-1 retail leaders, capturing complex operational requirements to engineer process maps and data-driven workshop frameworks.

Singapore

Sept 2024 to Dec 2024

ACADEMIC PROJECTS

Singapore University of Technology and Design

Capstone Project for DSV (formerly DB Schenker)

- Developing a real-time safety monitoring dashboard using React and Power BI to automate the visibility of SOP violations for warehouse supervisors.
- Constructing an automated data pipeline using FastAPI and MongoDB to process computer vision metadata and deliver instantaneous alerts via WhatsApp API integration.
- Analyzed three years of historical incident records to scope high-frequency "back-to-back" and "box-on-box" violations, identifying Dock 8 as the optimal spatial focus for a scalable proof-of-concept.

Sept 2025 to Present

Singapore University of Technology and Design

SwipeRx Consultant, Data Business & Analytics

- Together with a small team, used Tableau and R to analyze, predict, and forecast future data trends for sales within a B2B medicine distribution company.
- Created demand forecasting and qualitative trend analysis for the company.
- Performed warehouse allocation of goods based on the demand forecasted by the team.

Jan 2024 to April 2024

CO-CURRICULAR ACTIVITIES

SUTD Fitness Club

Treasurer (Executive Committee)

- Managed and oversaw all financial operations, including budgeting, purchasing, and inventory control.
- Play a key leadership role, contributing to the strategic direction and success of the club.

Jan 2023 to Sept 2025

ADDITIONAL INFORMATION

- Technical Skills: C, C++, Python, R, Excel, Tableau, Canva, DaVinci Resolve
- Fluent in English and Tagalog | Proficient in Mandarin (Reading, Speaking & Writing)
- Enjoys badminton, bowling, and gym | Watch Enthusiast | Math Education Youtuber