

Lee Heng Wai, Alan

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Hello! I'm Alan. I like writing code to solve business problems. I'm proficient writing python (object and functional), SQL and have worked with cloud technologies ie AWS S3, Cloudflare R2 buckets and workers. For database, I typically use SupaBase in my hobby projects.

SIDE PROJECTS	PROFESSIONAL EXPERIENCE
<ul style="list-style-type: none">Personal WebsiteAi Nutrition Analyzer App (available on request)	Shopee Singapore, Sea Group, Singapore <i>Senior Business Intelligence Analyst, Business Automation & Solutions Feb 2024 – Current</i> <ul style="list-style-type: none">Conducted studies, simulations and pre-empting solutions to potential bottlenecks to drive continued operational success resulting in topline and SG market share growth -- Analyses contributed to executing and eventually growing Buyer Self-Collection (BSC) adoption from 28% to 40% of platform orders (~120k daily BSC orders and growing)Workflow automation to reduce internal stakeholders' time-spent on mundane tasks via python and in-house DBT tools. Responsible for tuning, maintaining and improving existing in-house proprietary Machine Learning Model for SKU selection during Flash Deals (15% of Platform Daily GMV) – 70% of our flash deals are selected using the in-house XGBoost model. Deployed AI Agentic workflows using LLM prompts to analyse proof of deliveries.
SKILLS	WEMIX Singapore, WEMADE, Singapore <i>Business & Investments Analyst, Blockchain & Investment Strategy May 2023 – Feb 2024</i> <ul style="list-style-type: none">Led India market expansion research, insights, and proposed solutions to address existing product-market gaps by blending industry, market characteristics and in-house data.Business Development and Investor relations to existing Portfolio Companies; On-chain analysis and market insights to C-suite and senior management.
TECHNICALS	Crypto.com, Singapore <i>Research Analyst, Blockchain, DeFi, GameFi Feb 2022 – Aug 2022</i> <ul style="list-style-type: none">Authored monthly articles on blockchain technologies (i.e. Asset Custody, Blockchain energy consumption). Provided weekly market updates on across all Blockchain sectors.Built a Daily RSS newsfeed aggregator to automate research team's info gathering on google sheets via google developer API; Automated Chart generation for slide decks; Automated tracking of social media accounts.
SELECT WRITINGS	Wood Mackenzie, VERISK Analytics, Singapore <i>Data Analyst, Upstream Oil & Gas Jan 2019 – Feb 2022</i> <ul style="list-style-type: none">Responsible for WoodMac's key data offering (North and Southeast Asia) – maintained, supported, governed and deployed production level datasets for client consumption. Data ingestion and automation via AWS Datalake suite with a focus on ETL methods.Designed, developed, and led end-to-end product development utilizing US Listed company financial data. Responsible for other ad-hoc automation workflows i.e. monitoring offshore vessel movement via coordinate geometry.
SPOKEN LANGUAGES	J.P Morgan Chase & Co <i>Research Analyst, Emerging Markets Asia, Economics Mar 2018 – Aug 2018</i> <ul style="list-style-type: none">Responsible for commentaries on latest economic developments for EM Asia countries (Singapore, Malaysia, Indonesia), made available on JPMC's client portal.Utilised macroeconomic data to complement the firm's economic views (CEIC data, BIS, World Bank, FRED and JPMC's proprietary database); Applied various econometric, time series and detrending techniques.
EDUCATION	Centre for Asset Management Research & Investment, NUS Business School <i>Research Analyst, CAMRI Sep 2015 – Feb 2018</i> <ul style="list-style-type: none">Maintained and improved in-house quantitative model covering six Asian countries and US using academic literature, applied portfolio constraint optimisation methods via Barra Aegis and Bloomberg.Organised and evaluated macroeconomic data for NUS-Cornell Global Investors' Friendliness Index housed at CAMRI; Produced macroeconomic data visualizations for monthly market research pieces.
University of London International Programmes <i>Bachelor of Science, Major in Economics, Upper 2nd Honours</i> Aug 2012 – Aug 2015	