

LIM HON TING (SG PR)

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Seeking a permanent role in data science within a technology-driven environment to apply my skills, deepen my expertise, and contribute to innovative solutions.

EDUCATION

University of Malaya Master of Data Science	Oct 2025 – Present
<ul style="list-style-type: none">Achieved a Cumulative Grade Point Average (CGPA) of 4.0.Awarded Dean's List in every semester where eligible.	
University of Malaya Bachelor of Computer Science (Data Science)	Oct 2021 – Feb 2025
<ul style="list-style-type: none">Graduated with First Class Honours.Achieved a Cumulative Grade Point Average (CGPA) of 3.97.Awarded Dean's List in every academic year.	

EXPERIENCE

Placement Trainee, Technology Consulting (AI & Data) Ernst & Young (EY)	Feb 2024 – Feb 2025
<ul style="list-style-type: none">Led the development of four Proof of Concepts (PoCs) and supported two client-engaged project as a Junior Machine Learning Engineer, leveraging expertise in Data Science, Machine Learning, and Generative AI.Collaborated closely with clients to gather and document business requirements, design Azure solution architectures, and develop generative AI frameworks, ensuring alignment with client needs and project goals.Supported numerous project proposals and delivered impactful presentations of PoCs at major industry events, effectively engaging with key partners and clients.	
Company Quartermaster Sergeant (CQMS) Singapore Armed Forces (SAF)	Jul 2019 – May 2021
<ul style="list-style-type: none">Received the Best Soldier of the Month award in recognition of outstanding performance and conduct.Received the Best Platoon award twice for exceptional leadership and teamwork.Assisted in the management of the Systems, Applications, and Products (SAP) system to track equipment and maintain accurate inventory records.Ensured that equipment is properly maintained and serviced, and arranged for repairs as necessary.	

EXTRACURRICULAR ACTIVITIES

Team Leader Service Learning Malaysia-University for Society (SULAM)	Nov 2022 – Jan 2023
<ul style="list-style-type: none">Designed an engaging game utilizing the Unity Engine.Acted as a frontend developer, responsible for designing a static website using HTML and CSS.Secured a notable second place position in the event by showcasing Malay traditional games.	
Vice President Chess Club	Jan 2015 – Dec 2015
<ul style="list-style-type: none">Led the team to secure team championship title in district level competition.Strengthened the school's presence and competitiveness at the state level through increased representation.Assisted the President in overseeing and managing the Chess Club's activities and operations.Represented the club in intercollegiate or interclub competitions, organizing teams and ensuring their readiness.	

PROJECTS

GenAI Vendor Analysis
<ul style="list-style-type: none">Developed customized tools for Power BI insights extraction using semantic link, commentaries, and mathematics solving for Lang Chain agent, run by GPT4 LLM model.Utilized Azure cloud platform for deployment, with implementation of solution architecture.

- Involved in gathering and documentation of business requirements, design of Azure solution architectures, design of test plan, and development generative AI frameworks.

EY TalentLens

- Developed resume screening system using Lang Chain, vector database, few-shot learning, prompt engineering, retrieval augmented generation (RAG), and GPT3.5 LLM model using online and internal textual data.
- The system has capability to analyse resume, extract key information, provide job matching summary, perform document analysis, and recommend job based on knowledge base.
- Deployed the functional system on Azure App Services with comprehensive CI/CD pipeline with close collaboration with EY HR department.

Legal Precedence & Comparison Assistant

- Developed a legal document assistant enabling users to upload documents for query-based content retrieval, similarity detection from previous documents, and comparative analysis of legal clauses.
- Implemented comparison functionalities to highlight differences in legal clauses between documents, providing streamlined legal insights.
- Deployed on AWS Cloud, utilizing AWS Kendra for document search, RDS PostgreSQL for database management, and Amazon S3 for file storage.

Analyse and Summarise Dashboard Images by LLM model (Data Science Project – University of Malaya)

- Developed an automated system leveraging Large Language Models (LLMs) to efficiently extract and summarize critical insights from complex dashboard images.
- Reducing the need for extensive manual analysis and mitigate the chance of human bias.
- Streamlined the decision-making process for organizations across diverse sectors.

COMPETITION

Global Winner - EY Open Science AI & Data Challenge 2025

Topic: Cooling Urban Heat Islands

- Built a machine learning model ($R^2 = 98.34\%$) to predict Urban Heat Island (UHI) intensity using satellite imagery, building data, and ground temperature measurements
- Engineered geospatial features (NDVI, NDBI, MNDWI) and optimized an Extra Trees Regressor for micro-scale UHI mapping
- Enabled identification of urban heat hotspots to support targeted interventions (e.g., cool roofs, green spaces)
- Proposed a scalable, open-source deployment plan aligned with urban policy frameworks (PlaNYC, Cool Neighborhoods NYC)

ADDITIONAL INFORMATION

- **Programming Languages:** Python, Java, SQL, HTML, Typescript, Javascript.
- **Technologies:** React, CSS, Microsoft Azure Cloud Platform, AWS Cloud Platform, Generative AI, LLM, Machine Learning, Transfer Learning, Reinforcement Learning, PyTorch, TensorFlow, scikit-learn, Numpy, Pandas, Plotly, Firebase, Flask, MySQL, Power BI, Tableau, SPSS, Streamlit, CI/CD, Databricks, Data Warehouse.
- **Certification:** AZ-900, AI-900, DP-900, SC-900, AI-102, PL-300, Databricks Data Engineer Associate
- **Languages:** Proficient in English, Chinese and Malay (written and spoken)