

James Liang

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EDUCATION

Monash University

Melbourne, Vic

Bachelor of Computer Science and Commerce, Major in Data Science and Econometrics

2022 - 2025

- WAM: 86.686
- Achievements: Monash Research Scholarship (2025), Monash Global Study Tour (2025), Monash IBL Scholarship (2024), Top Scorer in ETC2420 Statistical Thinking (2023)

EXPERIENCE

Commonwealth Bank

Graduate Data Scientist

Feb 2026 - Present

- Modeling unsubscription risk in targeted engagement emails to improve campaigns and reduce churn.

Data Science Intern

Nov 2024 - Jan 2025

- Deployed end-to-end binary classification model to predict customer complaints, achieving up to 72% precision and resolving 100+ complaint scenarios per month.
- CBA HackFest Finalist - Developed the Banking Advisor Assistant with Retrieval Augmented Generation (RAG).

Coles Group

Data Science Intern

Jul 2024 - Nov 2024

- Reduced Analytics report runtime by over 70%, using code refactoring and new data pipelines in PySpark API.
- Built script to analyse root causes of metric movements, reducing manual analysis time and enabling faster insights

CSIRO's Data61

Vacation Research Intern — with Dr Hui Zheng

Nov 2023 - Feb 2024

- Developed application to categorise documents into topic hierarchies, using Python and OpenAI API.
- Improved recall and precision by up to 3% against competing research papers.

COMMUNITY & LEADERSHIP

Computing Commerce Association (CCA)

Publications Director

Aug 2023 - Sep 2024

- Increased member base by over 15% through initiatives such as the Newsletter Relaunch. Supported cross collaboration across team portfolios by setting up the new Notion Workspace.

180 Degrees Consulting

Project Consultant — Volunteering with Red Nose Australia

Feb 2023 - Jul 2023

- Supported non-for-profit organisation by designing the Red Nose App. Awarded Best Content and Best Speaker.

PROJECTS

TopicGemini | *Python, Topic Modelling, Langchain, Embeddings, Kmeans Clustering*

[Github](#)

- Developed application using Python to automatically extract topics from newspaper articles, using Gemini API, vector embeddings and k-means clustering.

The-Rising-Tennis-Star | *Python, Pandas, Regressions, Principal Component Analysis (PCA)*

[Read Online](#)

- Tennis Analytics uncovering historical patterns and insights that influence player success at the highest level.

Finding-Water | *R, Data Analysis, Predictive Modelling*

[Read Online](#)

- Conducted data analysis and fine-tuned ensemble models, achieving top 10% accuracy in a Kaggle competition.

ADDITIONAL INFORMATION

Languages: Python, SQL, R

Volunteering: Monash Bootcamp Tutor (Python), O-Week Volunteer