

SUMMARY

A “straight A’s” final-year Data Science Master student with excellent communication & problem-solving skills, who is a dedicated team player, thoughtful listener, and always eager to learn. Proficient in Python, SQL, machine learning and data analytics, Mason is currently seeking an opportunity to further grow and apply his skills, aiming to become a leading data scientist and use evidence-based problem solving to deliver business results.

SKILLS

- **Programming Language:** Python, R, SQL

• **Libraries:** numpy, pandas, tidyverse

• **Data Viz:** Power BI, dash, plotly, seaborn

• **Statistics:** Stats Inference, Hypothesis Testing
- **Big Data:** Hadoop, Studio3T

• **Database:** MySQL, MongoDB

• **GCP:** Cloud Run, BigQuery, Vertex AI

• **Version Control:** Git
- **Machine Learning:** Regression, Classification, Clustering

• **ML modules:** scikit-learn, TensorFlow, xgboost

• **MLOps & Deployment:** Docker

• **Soft skills:** Problem solving, Adaptability, Time management

WORK EXPERIENCE

More>

- Bright Flowers Sydney | Part-time Florist

Sydney, Australia | 03/2024 – Now

• Run a 1-man florist, maintain high quality products & ensure satisfaction by dealing with various requests in different budget.

• Effectively communicate with customers for sales & consultation, reached 318 sales a day, with a revenue of AU\$7,800

Skills: Floral Design, Communication, Consulting, Negotiation, Customer Service, Problem Solving, Adaptability, Attention to detail
- Pricing & Fairness Laboratory, Taiwan tech | Research Assistant

Taipei, Taiwan | 03/2023 – 08/2023

• Reduced overall research time by 10% by transforming the data mining process from manual to automation using Python and R.

• Collaborated with supervisor & lab mates to integrate research findings of 150+ products, increased the research output by 5%.

Skills: Excel, Data Scrapping, Data Manipulation, Descriptive Analysis, Market Research, Customer Behavior, Teamwork
- Compal Electronics | Project Management Intern

Taipei, Taiwan | 07/2022 – 09/2022

• Communicated & collaborated with different functional teams to determine & overcome bottlenecks, maintain production line output.

• Completed a notebook pilot project in time with 700% increase in unit quantity and 10% lack of material.

Skills: Project Management, Communication, Problem-Solving, Documentation, Data Aggregation, Excel, pivot, lookups

COMPETITIONS

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- EY 2025 Open Data & AI challenge – Ranked 7th Australia | Team Leader, Data Scientist | [Link>](#)

Built a XGBoost Linear Regression model that predicts Urban Heat Islands (UHI) index in busy cities

• Led a team of 1 data scientist & 2 data analysts in building a scalable regression model to support environmental protection worldwide.

• Handled geospatial, sensor and structured data to extract 11,2k data points by utilized API, aggregations & data joining.

• Enhanced model predictability by utilizing focal buffer techniques, generated building coverage & count in an area from KML building footprint data, resulted in the model’s coefficient of determination (R-squared) increase of 18.75%.

• Supported teammates in feature engineering, troubleshooting XGBoost, ExtraTrees & Random Forest modeling and hyperparameters tuning.

• Leveraged SHAP feature importance to provide the most accurate model for prediction, achieved a 96.8% accuracy score on test set.

Skills: sklearn, xgboost, geopandas, rasterio, rioxarray, GridSearchCV, SHAP, focal buffer, KML parsing, Communication, Problem-Solving
- Macquarie University DataViz 2024 Challenge - Winner | Team Leader, Data Analyst | [Link>](#)

Built a live Python dashboard to promote natural disaster awareness & increase decision-making effectiveness

• Led a team of 4 data analysts to design, build and deploy a dashboard app of 9.2k structured data points, focused on raising SDG awareness.

• Conducted data mining process, shared dash knowledge & supported teammates in building dash architecture, troubleshooted o2 loading & data processing bottlenecks, increased dashboard responsive speed by 2 times.

• Built the dashboard with Python and dash, version control with Git, deployed on Cloud Run, available for both desktop and mobile devices.

Skills: dash, GCP, Docker, html, CSS, Data Visualization, Leadership, Teamwork, Communication

PROJECTS

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- Intel Image Classification | Python, Deep Learning | [Link>](#)

• Manually built a CNN model to classify 25k+ images with high visual similarity, applied hyperparameter tuning, data augmentation.

• Leveraged pre-trained architecture for transfer learning, achieved 90% accuracy score and reduced training time by 60%.

Skills: Tensorflow, keras-tuner, Convolutional Neural Network, MobileNet, VGG16, ResNet50, Transfer Learning, Error Analysis
- Data analysis and outcome prediction of SpaceX Falcong rocket launches | Python, ML Classification | [Link>](#)

• Utilized API (requests) and web scraping techniques (re, BeautifulSoup) to gather 10 years of launches data.

• Generated data visualization with dash, matplotlib, seaborn and folium, accelerate decision-making processes by 20%.

• Built classification models to determine the outcome of rocket landing with the prediction score of 89%.

Skills: SQL, pandas, numpy, scikit-learn, GridSearchCV, Logistic Regression, SVM, Decision Tree, kNN, MLP, xgboost, Hyperparameter Tuning
- AtliQ sales data analytics & visualization | SQL, PowerBI | [Link>](#)

• Administrated MySQL database with through DBeaver to monitor status, fix data errors and check data manipulation progress.

• Performed data mining, modeling and applied SQL for exploratory analysis on a dataset of 148,000 records, assisted stakeholders in identifying o2 significant sales bottlenecks.

Skills: Business Intelligence, DAX, MySQL, Database Management, ETL, Dashboard, Data Analysis, Data Storytelling

EDUCATION

Macquarie University | **Master of Data Science**

Sydney, Australia | 02/2024 – 11/2025

- **Coursework:** Statistics, Big Data, Advanced Machine Learning, Deep Learning, Python Programming
- Average Grade (WAM): 87.75, **High Distinction**
- Active member of the **Macquarie Association of Computing Students, Macquarie Business Analytics club & the Statistical Society of Australia**

National Taiwan University of Science and Technology (NTUST) | **Bachelor of Science**

Taipei, Taiwan | 09-2019 – 08/2023

- **Mechanical Engineering** concentration, minored in Marketing (Pricing & Analytics)
- Taiwan Ministry of Education (MOE) **Excellence scholarship** (2019-2023) | [Link >](#)
- **Vice President** of the Vietnamese Student Association

ACTIVITIES

American Statistical Association DataFest™ 2025 at Macquarie University | **Helper**

04/2025

- Provided **R, Python** and **statistics** support to Undergraduate competitors in a 48-hour data hackathon.
- **Advised** teams on **analytical strategies** and **more efficient approaches** to overcome challenges.

Vietnamese Student Association at NTUST | **Vice President** | [Link >](#)

2020-2023

- **3 terms** served as a board-committee member, with 1 term served as VP (**relations, external activities & sponsoring**) and 1 term as an event leader of a **120+ members student association**.
- Successfully hosted **20+ student events**, with an average of **60-70 attendees each** with effective **planned** programs and **risk management**.
- **Led** 2 annual Vietnamese cultural festivals of **550+ guests**, including the Head of Vietnam economic and cultural office in Taipei, university principal, corporations, other student associations across Taiwan & many other staffs, students, visitors.
- Strategically **co-operated with 15+ corporations & organization** for events & sponsorship, secured & support acquiring a **total fund of US\$18,000**.

COURSE & CERTIFICATION

- Google **Machine Learning on Google Cloud** specialization | [Link >](#)
- Google **Data Analytics** professional certificate | [Link >](#)
- IBM **Data Science** professional certificate | [Link >](#)
- **SQL** for Data Science | [Link >](#)

- Microsoft **PowerBI** data analyst | [Link >](#)
- Thoughtworks' **Consultant Dev** Virtual Experience | [Link >](#)
- Google **Digital Marketing & E-commerce** certificate | [Link >](#)

LANGUAGES

- **English:** Full professional

- **Traditional Chinese:** Basic

- **Vietnamese:** Native

REFERENCES

Ben Meek | Mentor

Co-founder & CEO , Transformory

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