

RYAN TANG

DATA SCIENTIST



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<https://rytang.github.io/Portfolio/>

EDUCATION

Bachelor of Computer
Science in Data Science

Monash University

Selangor, Malaysia

2020-2022

GPA: 3.83 / 4.00

- Tutor Assistant for Object-Oriented Programming

DATA SKILLS

- Python
- Big Data Processing & Analytics (Spark)
- Statistical Analysis & Hypothesis Testing (A/B Testing)
- Machine Learning
- AI-Driven Automation
- Spreadsheets (Excel/Sheets)
- Data Visualization (Superset, Looker Studio)
- RDBMS Design & Management
- SQL
- NoSQL

TECHNICAL SKILLS

- AWS Cloud Services
- Containerisation & Security (Docker)
- Image Processing
- GitHub
- JavaScript (React)

WORK EXPERIENCES

Involve Asia Technologies

Data Scientist / Kuala Lumpur, Malaysia / 2023-06 – Present

Skills: Spark (Big Data), Python, AWS, Machine Learning, Apache Superset (Full-Stack)

- Spearheaded automation of the conversion validation process, reducing manual effort by 91.7% — from 8 hours to under 30 minutes per cycle, enabling more timely and reliable financial disbursements to partners.
- Architected an AI-powered solution to detect and mitigate vulnerabilities in user-uploaded scripts, scaling to 500+ automated script validations weekly.
 - Achieved up to 60% reduction in manual intervention, enhancing both security and operational efficiency.
- Designed and maintained a customized full-stack implementation of Apache Superset (BI Tool), supporting over 70% of internal users (~130 users).
 - Enabled greater experimentation and empowering data-driven decision, reducing ad-hoc data requests by up to 50%.
- Conducted large-scale hypothesis and A/B testing on product features, including recommendation engines, driving data-informed improvements.
- Utilised Spark to process and analyse terabytes of data, delivering actionable insights that guided strategic decisions and optimized marketing efforts.

Setel Ventures

Data Analyst Intern / Kuala Lumpur, Malaysia / 2021-11 – 2022-02

Skills: SQL, RDBMS, BI Tools, Data Visualisation, Campaign Analysis

- Built an automated dashboard to visualise customer fuel usage and retention trends using SQL, Python, and Vega (5GB+ dataset), improving load time by 8 times (16 mins → 2 mins).
- Maintained 14+ dashboards and reports using Holistics, including a weekly reporting system for a 2-month campaign, and delivered a final campaign analysis.

PROJECTS

Weather Prediction in R [\[GitHub Link\]](#)

Skills: R, Machine Learning, Data Cleaning

Produced 6 different Machine Learning Models to predict if the weather will be warmer the next day. Based on subset of Australian Dataset with 24 variables.

- Prepared 2,000 days' worth of data, fixing anomalous data.
- Perform hyper-parameter tuning on best suited model to achieve 74% accuracy.

CERTIFICATIONS

Amazon Web Services Solutions Architect – Associate

Credential URL: [Link](#) / Completion Date: 2025

Google Data Analytics Certificate

Credential URL: [Link](#) / Completion Date: 2023