

# DAN YI JIA

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## SKILLS

- Languages: Python, SQL, R, HTML
- Data Visualisation Softwares: Power BI, Tableau, Google Looker Studio
- Libraries: Pandas, Numpy, Seaborn, Scikit-learn, Streamlit
- Others: AWS, Alteryx, Figma, Airflow

## COURSES & CERTIFICATES

- AWS Certified Solutions Architect – Associate
- Microsoft Power BI Desktop for Business Intelligence (Udemy)
- Google Professional Machine Learning Engineer Certification

## WORK EXPERIENCE

### TENCENT

Jun 2025 to Current

#### Data Science Intern

Mainly supported Dying Light: The Beast (Techland)

- Performed validation of telemetry data provided by game studios to aid in data analysis
- Answering studios' data questions to refine game better and performing data quality checks using BigQuery (SQL)
- Deployed and orchestrated data pipelines in Google Cloud Composer using Apache Airflow

### PRICEWATERHOUSECOOPERS (PWC)

Jan 2024 to Sept 2024

#### Data Analyst

- Automated data extraction from SQL server daily and output into Excel sheet with multiple tabs separated by statuses through Alteryx workflow creation
- Analysed service requests raised in system through Power BI dashboard creation
- Designed business process maps and business requirement documents
- Quality Assurance Testing of Power Apps

### BANK OF SINGAPORE

Jul 2022 to Dec 2022

#### Financial Crime Compliance Intern (Innovation, Data Analytics & Technology)

- Performed anomaly detection of fraud by running, modifying, and enhancing Python scripts using Pandas

### ERNST & YOUNG

Dec 2021 to Apr 2022

#### Tax Technology & Transformation Intern

1 out of 15 students picked for the Accounting Work-Study Data Analytics Internship with Ernst & Young

- Analysed and interpreted patterns and trends of tax components across 60 companies in Power BI dashboards
- Initiated use of Power Query to increase efficiency for a manual task given to transform PDFs into Excel data

## EDUCATION

### National University of Singapore (NUS)

Jan 2025 to Jun 2026

#### Master of Computing

(Expected)

Courses taken/in progress: Data Structures and Algorithms (Python), Data Analytics, Apache Hadoop, Spark, Cloud Computing

### Singapore Management University (SMU)

Aug 2019 to Jan 2024

#### Bachelor of Accountancy, 2<sup>nd</sup> Major in Accounting Data & Analytics (Merit)

- Recipient of SMU School of Accountancy Financial Scholarship 2020/2021, 2021/2022 & 2022/2023

### Meridian Junior College (MJC)

- 1 out of 9 recipients of MOE AY2017 Pre-University ASEAN Scholarship for Malaysians

## PROJECTS

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<b>Analytics of Relation between Awards Given and Creativity</b>	<b>Aug 2025 to Jun 2026</b>
NUS MComp Capstone Project	
<ul style="list-style-type: none"><li>Developed script to extract relevant posts and comments to give out Reddit awards via <a href="#">PRAW</a></li><li>Created automation to mimic human behaviour to give out Reddit awards via <a href="#">Playwright</a></li></ul>	
<b>ParkWise (Carpark availability web application)</b>	<b>Aug 2025 to Nov 2025</b>
NUS Cloud Computing Project	
<ul style="list-style-type: none"><li>Connected AWS API to frontend and maintained frontend</li><li>Parkwise <a href="#">link</a></li></ul>	
<b>EDA Dashboard</b>	
NUS IT5006 Introduction to Data Analytics Project	<b>Aug 2025 to Nov 2025</b>
<ul style="list-style-type: none"><li>Streamlit dashboard <a href="#">link</a></li></ul>	
<b>Part-Timer Profiling</b>	<b>Jan 2023 to Apr 2023</b>
SMU Capstone Project	
<ul style="list-style-type: none"><li>Analysed &amp; transformed data by running scripts on <a href="#">RStudio</a></li><li>Visualised data of part-timers on <a href="#">Google Looker Studio</a></li></ul>	

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## ADDITIONAL INFORMATION

Languages: Chinese (Native), English (Native), Malay (Intermediate), Japanese (Elementary)  
Hobbies and Interests: Music, Table Tennis, Travelling, Self-Improvement