

Ng Jia Yin

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EDUCATION

National University of Singapore (NUS) Bachelor of Science (Honours) in Data Science and Analytics <ul style="list-style-type: none">Expected Date of Graduation: Dec 2025Relevant Coursework: Data Visualisation, Decision Trees for Machine Learning, Artificial Intelligence: Technology and Impact, Data Structures and Algorithms, Mathematical Statistics, Multivariable Calculus	Aug 2021 – Present
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WORK EXPERIENCE

Johnson & Johnson, Analytics Intern <ul style="list-style-type: none">Managed end-to-end financial forecasting for the Long Range Financial Plan (LRFP) spanning from 2024 to 2028, managing sales figures totalling more than \$4 billion.Implemented data validation and cleaning processes using Microsoft Excel, resulting in a 15% reduction in data errors.Utilised design thinking methodologies to develop a 90-second brand launch video for an in-house data analytics platform, enhancing brand engagement and visibility.	Jan 2024 – May 2024
KPMG, Tax Processor Intern <ul style="list-style-type: none">Prepared and filed over 100 personal income tax returns using Microsoft Excel and internal tax software over the span of 5 months.Communicated effectively with clients and team members to identify and obtain necessary financial records in compliance with IRAS regulations.	Jan 2021 – Jun 2021

PROJECTS

Lego Data Visualisation <ul style="list-style-type: none">Utilised dplyr and ggplot2 packages to generate 3 visualisations (line plot, bar graph, scatter plot) to analyse the evolution of Lego set colours from 1949 to 2022.Pre-processed and cleaned 5 csv files and presented the findings and discussion in a Rmd file.	Nov 2023
Stock Price Prediction <ul style="list-style-type: none">Implemented various regression methods in Python to predict stock prices, achieving a minimal mean-squared error (MSE) of 3.07%.Conducted feature engineering and employed Principal Component Analysis (PCA) for exploratory analysis.	Oct 2022

TECHNICAL SKILLS

- Programming and Database Languages: Python, R, SQL and Java
- Python Libraries: NumPy, pandas (data manipulation), Matplotlib, seaborn (data visualization), scikit-learn, TensorFlow, PyTorch (machine learning), OpenCV (image processing)
- R Libraries: tidyverse, dplyr, ggplot2
- Other Tools: Jupyter Notebooks, Tableau, Microsoft Excel

CO-CURRICULAR ACTIVITIES

Workshop Executive, NUS Statistics and Data Science Society <ul style="list-style-type: none">Collaborate with team members to create engaging presentation slides and Python code for Data Cleaning, Statistical Testing, Image Processing and Machine Learning workshops.Deliver insightful data science content to more than 150 NUS students, effectively conveying complex concepts and fostering a conducive learning environment.	Jul 2023 – Present
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