

YOUNG ZHAN HENG

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EDUCATION

National University of Singapore (NUS)

Aug 2021 - Jun 2025

Bachelor of Science (Hons)

- Major in Data Science and Economics XDP

SKILLS

- R (Machine Learning, Regression Analysis, Data Visualisation, Data Analysis)
- Excel (VLookup, Conditional Formatting)
- Python (Machine Learning, Data Visualisation, Data Analysis, Dashboard Creation)
- Java (Data Structures and Algorithms)
- Git
- SQL (Database Management)

PROJECTS

[Econometrics Financial Modelling](#), NUS, Singapore

Apr 2024

- Collaborated with a team of four and applied financial engineering techniques such as autoregression, autoregressive distribution lag, and regression forest to FED data to make a 4-step ahead prediction for GDP
- Took the team lead for frontend web development using Python Dash framework

[Analysed Sports Data Of National Sprinter](#), The Straits Times, Singapore

Sep 2023

- Analysed sporting data from coaching team of Singapore national sprinter Shanti Pereira with R and Excel to produce a ground-breaking and innovative sports piece, visualising achievement results and biomechanical data

[Analysed Income Data Of Married Couples](#), The Straits Times, Singapore

Jun 2023

- Conducted the data analysis and visualisation with R for an article about husband and wives' income. The article became one of The Straits Times' most-read interactive pieces in 2023 and garnered features in prominent data visualization outlets such as Datawrapper

[Optimised Profits Of Firm Using Simulation](#), NUS, Singapore

Nov 2022

- Implemented simulation theory to raw data and identified the most suitable car model for a large-scale car rental company, coupled with a detailed five-page findings and methodology report

[Analysed Singapore's Historical Weather Data](#), The Straits Times, Singapore

Jun 2022

- Scraped and cleaned 30 years of data to write a data-driven article about Singapore's alarming change in maximum temperature. Article was chosen as The Big Story and published on page A3 of The Straits Times

[Applied Machine Learning to Predict Public Housing Prices](#), NUS, Singapore

Nov 2021

- Cleaned data and implemented machine learning features such as decision trees and linear regression on real Singapore data, identifying key factors that lead to heightened public housing pricing in Singapore

EXPERIENCE

Data Analyst Intern, LightBlue Environmental Consulting, Bangkok **May 2024 - Present**

- Created a dashboard using Python Flask framework to visualise food wastage for all clients. Data was extracted using MySQL and analysed using NumPy, Pandas, and various libraries

Data Visualisation Intern, The Straits Times, Singapore **May 2023 - Dec 2023**

- Blended data analytics and journalism to examine complex datasets and conceptualise innovative visualisation techniques, such as interactive charts, to enhance reader engagement and convey critical information, resulting in two produced articles
- Utilised R and Excel to scrape publicly available datasets, and worked with JavaScript to create interactive visualisations

Journalist Intern, The Straits Times, Singapore **May 2022 - Jul 2022**

- Wrote about social issues in Singapore, including passport collection and housing, resulting in a total of six released articles and more than five additional reporting articles

EXTRA-CURRICULA AND VOLUNTEER EXPERIENCE

Varsity Table Tennis Team Vice-Captain, NUS, Singapore **Apr 2022 - Apr 2023**

- Led a team of 12 players in weekly trainings and competition representing NUS
- Played a key role in helping NUS secure double championship in the varsity games and university games

Petition Writer, Toa Payoh East, Singapore **Nov 2020 - Aug 2021**

- Acted as a liaison between government agencies and residents in need, handling approximately 5-6 cases each week

Volunteer Tutor, Xin Yuan Community Care, Singapore **Jan 2021 - Jun 2021**

- Guided and assisted two underprivileged Secondary 3 students with academic work over the course of 6 months

Table Tennis Team Captain, Raffles Institution, Singapore **Apr 2017 - Apr 2018**

- Led a team of 12 players in weekly trainings and competition representing Raffles Institution
- Handled administrative issues such as attendance, finances and logistics to ensure training sessions run smoothly