**Young zhan heng**

HP: 92388691   Email: [zh.young@u.nus.edu](mailto:zh.young@u.nus.edu)

**education**

**National University of Singapore (NUS) Aug 2021 - Jun 2025**

**Bachelor of Science (Hons)**

* Major in Data Science and Economics

**skills**

* R (Machine Learning, Regression Analysis, Data Visualisation, Data Analysis)
* Excel (VLookup, Conditional Formatting)
* Python (Machine Learning, Data Visualisation, Data Analysis)
* Java (Data Structures and Algorithms)
* Git

**projects**

[**Analysed Sports Data Of National Sprinter**](https://www.straitstimes.com/multimedia/graphics/2023/09/shanti-pereira-sprint-graphics/index.html?shell)**, 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**](https://www.straitstimes.com/multimedia/graphics/2023/07/wive-earn-more-husbands-main-breadwinner-singapore/index.html?shell)**, 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**](https://straitstimes.com/singapore/environment/monthly-temperatures-in-singapore-rising-over-past-few-decades)**, 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 basic 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 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