

Darren Yan

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EDUCATION

National University of Singapore

Aug 2021 - May 2025

Bachelor of Science in Data Science and Economics (Honours), Minor in Computer Science

Singapore

- Current GPA: 4.91/5.0 (Highest Distinction)
- NUS Merit Scholarship Recipient
- Dean's List recipient in 3 out of 3 available Semesters (AY2223S1, AY2223S2, AY2324S2)
- Top student, CS1010S Python Programming Methodology
- Top student, CS2040 Java Data Structures and Algorithms
- Teaching Assistant, CS2040 Java Data Structures and Algorithms

EXPERIENCE

Data Analytics Intern

May 2024 - Aug 2024

United Overseas Bank

Singapore

- Coded models in SAS and SQL to identify anomalous client behavior through data analytics
- Created exception dashboard for Group Audit in Qlik to streamline continuous audit processes

Data Science Intern

May 2022 - Jul 2022

Ensign InfoSecurity

Singapore

- Assisted Data Science department of Ensign Labs in creation of cybercrime detection models
- Coded extensively in Python using the Pandas, Numpy, Scikit-Learn and Tensorflow libraries
- Created Convolutional and Siamese Neural Networks to detect phishing emails with over 95% accuracy
- Worked in PySpark and Hadoop to successfully deploy cross-site scripting detection model

Technology Project Staff

Apr 2021 - Jul 2021

PricewaterhouseCoopers

Singapore

- Assisted full-stack development of Accounting Consulting Service ticketing portal
- Liaison for internal and external stakeholders to facilitate effective system design decisions

EXTRACURRICULARS

GDP Growth Predictor | darrenyankj.shinyapps.io/gdp-predictor/

Mar 2024 – Present

- Developed a full-stack web application to predict GDP growth rate using time series analysis
- Analysed and performed feature selection to create autoregressive distributed lag models in R
- Designed frontend features using CSS and Shiny to present model forecasts
- Created data pipelines to process and train model on raw datasets from user input

MaritimeONE Case Summit

Feb 2022 - Apr 2022

- Awarded 1st runner-up using data analysis in R and Python to identify carbon emission outliers in the maritime industry
- Presented pitch deck regarding carbon emission reduction solutions to Standard Chartered and Shell maritime industry heads

Dodgeball

Aug 2021 – Present

- Captain of Faculty of Arts and Social Sciences dodgeball team, Inter-Faculty Games Champions in 2022 & 2023
- Director of Residential College 4 Clubs and Societies, overseeing over 30 Interest Groups
- Project Director of Inter-College Games 2023 with over 1000 participants

TECHNICAL SKILLS

Languages: Python, Java, R, SQL, C++, Javascript, SAS, HTML, CSS

Applications: MongoDB, Power BI, Tableau, Qlik, Excel (PivotTable, VBA)

Developer Tools: Git, Docker, Kubernetes, Hadoop

Libraries: Pandas, NumPy, Tensorflow, Keras, Matplotlib, Seaborn, SciPy, PySpark