

Darren Yan

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EDUCATION

National University of Singapore

Aug 2021 - Jun 2025

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

Singapore

- Graduated with GPA: 4.9/5.0 (Highest Distinction)
- Lijen Industrial Development Medal Recipient (Best Academic Exercise in the Discipline)
- NUS Merit Scholarship Recipient
- Dean's List recipient in 3 Semesters (AY2223S1, AY2223S2, AY2324S2)
- Top student, CS2040 Java Data Structures and Algorithms & CS1010S Python Programming Methodology
- Teaching Assistant, CS2040 Java Data Structures and Algorithms & EC1101E Introduction to Economics

EXPERIENCE

Software Engineer Analyst

Jul 2025 - Present

Goldman Sachs

Singapore

- Developed a full-stack dashboard for Synthetic Products Group to streamline market share analysis in Python and React/TypeScript

Data Analytics Intern

May 2024 - Aug 2024

United Overseas Bank

Singapore

- Created predictive analytics models in Python to classify customer credit risk with over 90% precision
- Coded models in SAS and SQL to identify anomalous client behaviour through data analysis
- Designed 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 the creation of cybercrime detection models in Python using the Pandas, Numpy, Scikit-Learn and Tensorflow libraries
- Created various Neural Networks to detect phishing emails with over 95% accuracy
- Worked in PySpark and Hadoop to successfully deploy cross-site scripting detection model

Project Management Intern

Apr 2021 - Jul 2021

PricewaterhouseCoopers

Singapore

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

EXTRACURRICULARS

University of Chicago Econometrics Competition 2025 Finalist

Apr 2025

- Represented the National University of Singapore and placed among the top 15 teams worldwide
- Utilised Python, R and Stata to analyse large datasets for causal inference

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

Mar 2024 – Apr 2025

- 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 Python and 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

Dodgeball

Aug 2021 – May 2025

- 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 NUS Inter-College Games 2023 with over 1000 participants

TECHNICAL SKILLS

Languages: Python, Java, R, SQL, Stata, React, 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