

DARREN YAN KAI JIAN

darrenyankj@gmail.com | +65 9231 1068

<https://darrenyankj.github.io>

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Candidate for Bachelor of Science (Honors) with Major in Data Science and Economics

Singapore, SG

2021 – 2025

- Minor in Computer Science
- Cumulative Average Point of 4.94
- Placed as top student for Python Programming Methodology module among over 650 students
- Placed as top student for Java Data Structures and Algorithms module among over 490 students
- Faculty of Science Dean's List, AY 22/23 Semester 1
- Faculty of Science Dean's List, AY 22/23 Semester 2

KTH ROYAL INSTITUTE OF TECHNOLOGY

Student Exchange Program

Stockholm, SE

2023 – 2024

RAFFLES INSTITUTION

GCE 'A' Levels

Singapore, SG

2017 – 2018

- Graduated with 90 Rank Points and H3 Game Theory Distinction
- Accomplishments: Academic Excellence Award (Straight As for 2017 Promos, 2018 Prelims)
- Selected Coursework: Economics, Game Theory, Mathematics, Physics, Chemistry, General Paper

WORK EXPERIENCE

ENSIGN INFOSECURITY, *Data Science Intern*

Singapore, SG | May 2022 – Jul 2022

- 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 data analysis models to detect phishing and email exfiltration using Convolutional and Siamese Neural Networks on over 100,000 data points
- Worked in PySpark to successfully help deploy cross-site scripting detection model based on NetFlow dataset

PRICEWATERHOUSECOOPERS, *Temporary Staff*

Singapore, SG | Apr 2021 – Jul 2021

- Assisted in administrative duties for Accounting Consulting Service department
- Liaised with external stakeholders and worked extensively on Google Suite
- Engaged in self-directed learning on the job to gain an understanding of accounting despite lack of background knowledge prior to entry

LEADERSHIP

RESIDENTIAL COLLEGE 4 CLUBS AND SOCIETIES, *Director*

Singapore, SG | 2022 – 2023

- Led a team of over 20 members in organizing over 30 Interest Groups in Residential College 4
- Overall-in-Charge of Inter College Games 2023 and Residential College 4 Inter-House Games 2022
- Managed five-digit budget for events and interest groups
- Liaison between Residential Colleges and external stakeholders in overseeing the organization of extracurricular activities

RESIDENTIAL COLLEGE 4 HOUSE COMMITTEE, *Events Committee Member*

Singapore, SG | 2021 – 2023

- Organized events for over 100 residents staying in residential college
- Led a team of ten in planning for and organizing Chinese New Year festivities

SINGAPORE ARMED FORCES, *Officer*

Singapore, SG | 2019 – 2021

- Commissioned from the 116/19 Officer Cadet Course (Offered to Top 10% of Enlistees) in Mar 2020; Served as Assistant Staff Officer for Operations and Trainings from Mar 2020 – Feb 2021
- Analyzed, using Excel (Formulas, PivotTables, VBA), multiple datasets of over 200 personnel and automated duty and training planning processes
- Utilized Microsoft Word and PowerPoint extensively for official documentation and presentation of projects
- Liaison with other Units regarding all Operation and Training matters, honing interpersonal skills in the process
- Awarded Officer of the Quarter for contributions to unit

STUDENTS' COUNCIL, *Secretary*

Singapore, SG | 2017 – 2018

- Managed four-digit budget for event planning and in-charge of 2018 Students' Council elections
- Overall-in-Charge of 2018 Orientation Station Games
- Overall-in-Charge of 2017 Students' Council Investiture

EXTRACURRICULAR PURSUITS**DODGEBALL, *Secretary***

Singapore, SG | 2021 – Present

- Organize logistics and manpower for dodgeball in Residential College 4
- 1st place for National University of Singapore Inter-Faculty Games 2022, representing Faculty of Arts and Social Sciences
- Represented Residential College 4 in National University of Singapore Inter-College Games 2022

CASA, *Volunteer*

Singapore, SG | 2021 – 2023

- Active weekly volunteer for Residential College 4 CASA (Care, Accept, Share, Affirm) providing pro bono tuition to low-income families residing in Clementi

EXTERNAL VOLUNTARISM

Singapore, SG

- Regularly participated in voluntarism projects such as Silver Homes and The Golden Page
- Empathized with those from less fortunate backgrounds and honed interpersonal skills in both English and Mandarin

NOTABLE ACADEMIC ACHIEVEMENTS**MSC MARITIME CASE SUMMIT, *1st Runners-Up***

Singapore, SG | April 2022

- Awarded 1st runner-up using data analysis of maritime industry
- Presented pitch deck regarding carbon emission reduction solutions to Standard Chartered and Shell maritime industry heads

ENDOWUS CASE COMPETITION, *Finalist*

Singapore, SG | October 2021

- Emerged as one of top six teams among over 40 others in Endowus Case Competition
- Self-taught marketing concepts and presented a pitch to Endowus marketing heads

JTC CORPORATION I3 CHALLENGE, *2nd Runners-Up*

Singapore, SG | June 2018

- Emerged as 2nd runners-up among over 20 other teams at Jurong Town Council's i3 Challenge
- Applied economics and further readings to aid in town planning and creation of pitch deck
- Pitched potential ideas for development of the Jurong Industrial District to JTC heads

EDB ECONOMICS SHORT FILM COMPETITION, *Finalist*

Singapore, SG | Mar 2018 – May 2018

- Selected as one of five finalist teams for the Economic Development Board Economics Short Film Competition
- Explored implications of a cashless system in Singapore from an economics and game theory perspective through self-directed research and readings

ADDITIONAL INFORMATION

- **Languages:** English (Native), Mandarin Chinese (Fluent)
- **Skills:** Python (Proficient), R (Proficient), Java (Proficient), SQL (Proficient), Excel Formulas & PivotTable (Proficient), HTML (Proficient), CSS (Proficient), Tableau (Intermediate), Power BI (Intermediate), Javascript (Intermediate), Git (Intermediate), Linux (Basic)
- **Interests:** Dodgeball, Running