DARREN YAN KAI JIAN

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EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE   Singapore, SG

Candidate for Bachelor of Science (Honours) with Major in Data Science and Economics   2021 – Present

- Minor in Computer Science
- Cumulative Average Point of 4.93
- Placed as top student for Python Programming Methodology module among over 650 students
- Faculty of Science Dean's List, AY 22/23 Semester 1

RAFFLES INSTITUTION   Singapore, SG

GCE 'A' Levels   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 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 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 – Present

- Leading a team of over 20 members in managing over 30 Interest Groups in Residential College 4
- Overall-in-Charge of Inter College Games 2023 and Residential College 4 Inter-House Games 2022
- Managing 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 – Present

- 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 for 2018 Students' Council elections
- Overall-in-Charge of 2018 Orientation Station Games

STUDENTS' COUNCIL INVESTITURE, *Overall-in-Charge*   Singapore, SG | May 2017

- Organized an investiture with over 1000 guests, including students from over 20 different schools

EXTRACURRICULAR PURSUITS

DODGEBALL, *Secretary*   Singapore, SG | 2021 – Present
- Manage 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 – Present
- Active weekly volunteer for Residential College 4 CASA (Care, Accept, Share, Affirm) providing pro bono tuition to low-income families residing in Clementi

BADMINTON, *Member*   Singapore, SG | 2017 – 2018
- Active member of Raffles Institution Badminton team

HOCKEY, *Member*   Singapore, SG | 2013 – 2016
- Active member of Raffles Institution Hockey team
- Achievements: Singapore Schools Sports Council Colors Award, Singapore Schools Sports Council 11-a-Side Hockey Tournament 2nd Runners-Up

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**: Excel Formulas & PivotTable (Proficient); Python (Proficient), HTML (Intermediate with Experience from Computer Elective Programme in 2015 – 2016), R (Intermediate), Java (Intermediate)
- **Interests**: News Reading and Commentary Writing, Dodgeball, Running