

Roy Ng

Aspiring consultant and technologist (and sometimes a drama nerd). Loves to travel and trade on the side

Full resume on my website @ <https://royngjd.me/>

Technical Experience

Algorithm Analyst @ a Management Consultancy firm (*Jan 2021 - Present*)

Partnered with a client to develop a series of algorithms for equity trading. Delivered it as a live platform.

- Implemented a TA driven approach with recurrent reinforcement learning. Obtained underwhelming results
- Integrated evolutionary search with reinforcement learning. Obtained mixed results, with performance ranging from -20% to 73% on different stock tickers

Data Analyst | Researcher @ [Lee Kuan Yew Centre for Innovative Cities](#) (*Feb 2020 - Aug 2020*)

LKYCIC's mission is to stimulate thinking and research on the critical issues of cities and urbanisation. My work was specifically on the impact of urban policies on Smart Cities Development (Shanghai and Jakarta).

- Performed correlation analysis using scraped data to determine if the ground sentiments are aligned with the narrative of the major stakeholder
- Findings were presented and compiled into a book with the Switzerland's International Institute for Management Development (IMD), that highlights the sustainability and ethical concerns of urban policies on Smart Cities around the world

Data Analyst @ [Integrated Decisions Systems Consultancy Pte Ltd](#) (*Sep 2019 - Dec 2019*)

Data and Business Analytics Module Project

- Performed data cleaning and regression analysis on provided dataset
- Generated a simulation model using the forecasted results which optimizes the replenishment and pricing strategy. Model is adjustable based on client's parameters

Volunteer Experience

Youth Supervisory Panel Member @ [REACH](#) (*2020 - Present*)

- Participated in events that help to gauge ground sentiments on social policies and development.
 - [Conversations on Singapore Women's Development @ East Coast Park](#)
 - Conversation on Career Opportunities in the ICT Sector @ MCI

Undergraduate Teaching Assistant @ Freshmen Modules (*2019 - 2020*)

- Conducted Bootcamp for students who failed the course and required more guidance in their learning
- Conducted weekly help sessions to consistently review the materials and last minute crash course for the cohort to share study tips

On The Side

Moderator @ [SUTD Ministerial Forum 2021](#) (Apr 2021)

Facilitated discussion on the future of Singapore pertaining to a few key areas: Sustainability, Education, Social Development

- Takeaway: It is heartening to see the aspirations of the current generation being transcended from materialistic to one with a bigger social cause. A society grows great when old men plant trees whose shade they know they shall never sit in
- [Highlights](#) from the event

Vice President @ [8th Student Government](#) (Sep 2019 - Nov 2020)

- Assisted with the revamp of [ROOT Cove](#), a space owned by the Student Government for students
- Led a Constitution Review Committee to affirm Students Leaders with the authority and responsibilities to make impactful changes on behalf of Student Interest
- Expanded on relationships with various Offices and Student Groups through participation in shared concerns: School Communication, Exchange Opportunities, Club's Development

Director of Communications @ [7th Student Government](#) (Jun 2018 - Jun 2019)

- Organized a brand new format of Dialogue with Senior Management, that allows for closer connectivity and mediated expectations with the student body. Maintained a well-documented SOP
- Coordinated the production and design of the Night Fiesta merchandise (shirt, coupons and stickers) and generated a total revenue of \$11,000 through strategic publicity despite the initial slow receptiveness of the event

Co-Founder @ Das Bénévolents and [Mira Fansite](#) (2013 - 2018)

A small international organization that is dedicated in publishing frequent game strategies for the English community.

- Content writer for Mira Fansite, where at one point it surpassed the official Game Facebook page in terms of followers and likes. Last checked: 10,700 likes and followers respectively
- Founded Das Bénévolents, a blog that releases tools and guides for the game, Otogi
- Organized community give back events to foster a welcoming atmosphere for new players. Costs were self-funded by the organization

Accomplishments

Student Leader Award @ [Jyoti & Aditya Mathur Student Achievement Awards](#) (Feb 2021)

Served as Vice President of the [8th Student Government](#)

Commander Coin @ Singapore Armed Forces (2017)

Skills and Interests

Skills	Interests
Team Communication	Being a househusband
Strategic Thinking	Drama Nerd
Adaptability	Impromptu Outings, Travelling and Running

Languages

English: Native

Mandarin Chinese: Fluent

Education

Bachelor of Engineering in Engineering Systems and Design (Honors)

Major in Business Analytics

[Singapore University of Technology and Design](#) - Singapore (2018 - 2021)