JERALD YIK JIA LER

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EDUCATION

Nanyang Technological University (NTU), Singapore   Aug 2017 – Present
- B.Eng (with Hons) for Renaissance Engineering Programme (REP) specializing in Computer Science (GPA 4.84/5, 1st Class)
- MSc in Technology Management

University of California, Berkeley   Aug 2019 – Mar 2020
- Bachelor of Computer Science. Concurrent with REP during the 3rd year of studies. (GPA 3.486/4.0)

Victoria Junior College, Singapore   Jan 2013 – Dec 2014
- Graduated with UAS of 87.5/90, with a Distinction in H3 Physics

SKILLS

- **Programming:** Python, Javascript, React, Redux, Go-Lang, SQL, Java, Android Studio, C, C++
- **Soft skills:** Presentation skills, Good team player, Leadership, Accepting of people from racially-diverse backgrounds

WORK EXPERIENCE

GovTech, Singapore – Software Development Intern   May 2020 – Present

Rushowl Pte Ltd, Singapore – Data Analyst Intern   Jun 2019 – Aug 2019
- Established data collection & analysis infrastructure using InfluxDB, Chronograf, OSRM API, Go-Lang to estimate elapsed time between bus stops
- Established data visualization platform using React for clients to have a pictoral understanding of statistics of above
- Configured commercially-viable GSM/GPS module using Raspberry Pi to track live location of buses & send live data to server

Singapore Armed Forces, Singapore - Motor Transport Officer   Jan 2016 – Dec 2016
- Responsible for the planning of job scopes and well-being of 100-odd soldiers, ensuring that the workflow of the company is smooth and morale of enlistees are high
- Responsible for 400-odd large military vehicles, making sure that they are well-serviced and well-prepared for usage in missions.

AWARDS AND ACHIEVEMENTS

Yitu Hack-Ai-Thon, Singapore – Finalist (5/100+ teams)   Feb 2019
- Achieved 5th place out of 100-odd teams in an image detection model improvement competition by making discerning decisions on which ML models to use and undergoing rigorous quick-searching & trial-and-tested methods.

Renaissance Engineering Programme Scholarship   Aug 2017
- Prestigious scholarship awarded to the cream of the crop in the cohort

PROJECTS

Data Science Society, University of California, Berkeley   Sep 2019 – Dec 2019
- Delivered a presentation at Research Symposium to a 1000-strong audience after semester-long critical analyses of large datasets

SecondLife, Android Application, Nanyang Technological University, Singapore   Sept 2018 – Dec 2018
- Achieving an A and top ranking a group of 8 teams by presenting & submitting an Android Application as the main deliverable for a school module

CodeIT Credit Suisse, Singapore   Sep 2018
- Passed the intensive preliminary test amomg thousands of applicants by clearing coding challenges under time limit
- Achieved top 20 by spending the full 27 hours of non-stop rigorous coding to clear challenges

RELEVANT COURSES TAKEN

University of California Berkeley
- CS 170 Efficient Algorithms & Intractable Problems, CS 188 Introduction to Artificial Intelligence, CS 186 Introduction to Database Systems, INFO 159 Natural Language Processing

Nanyang Technological University
- CZ 2002 Object-Oriented Design & Programming, CE 2005 Operating Systems