

# 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, 1<sup>st</sup> Class)
- MSc in Technology Management

**University of California, Berkeley** Aug 2019 – Mar 2020

- Bachelor of Computer Science. Concurrent with REP during the 3<sup>rd</sup> 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, Typescript, React, Next, SQL, Java
- **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

- Mastered the workflow of an agile environment utilising the Atlassian Ecosystem
- Focussed heavily on Next.js for front-end implementation & Koa.js for back-end infrastructure
- Spearheaded the research spike and the implementation on the transition of an overhaul of rendering of content, which requires content to be dynamically rendered in the 4 major languages based on language chosen
- Explored Content Management System (CMS) to facilitate seamless integration of translation content and ease of input & change of content by content creators.

**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 pictorial 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 5<sup>th</sup> 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 among 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, EE6108 Computer Networks, CZ 4062 Computer Security