

JERALD YIK JIA LER

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EDUCATION

Nanyang Technological University (NTU), Singapore – Renaissance Engineering Programme (REP) Aug 2017 – Present

- Inter-disciplinary Engineering Education integrating Engineering, Science, Business, Technology Management & Humanities
- B.Eng (with Hons), specializing in Computer Science (GPA 4.84/5, 1st Class)
- MSc in Technology Management

Renaissance Engineering Programme Scholarship Aug 2017

- Prestigious scholarship awarded to the cream of the crop in the cohort

University of California, Berkeley (Exchange Programme) Aug 2019 – May 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:** Javascript, Python, Typescript, React.js, Next.js, 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

- Focussed heavily on Next.js for front-end & Koa.js for back-end implementation, while utilising AWS as 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 content & 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

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.

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 the top ranking a group by presenting on 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

PERSONAL PROJECTS

Telegram Bot – Includes functionalities to convenience everyday life (e.g. utilise Google Maps Places API to query and parse nearby eateries)

End-to-End Webpage – Provides an interactive interface (with customisable filter options) to output nearby eateries, with login functionality

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, CZ 4153 Blockchain Technologies