



Justin Lee

MECHANICAL ENGINEER, ENTERPRISING SOFTWARE ENGINEER

Career Summary

Aspiring entrepreneur, excellent experience in CAD, Python, and JavaScript. Superb management and leadership skills. Desires to have a strong engineering foundation, and exceptional exposure in the fields of AI, Programming, and Robotics.

Areas of Expertise

- Proficient in Python, JavaScript
- Skilled in the use of CAD for 3D modelling
- Experienced with design & manufacture
- Proven ability to plan and manage large-scale projects
- Outstanding problem-solving capability
- Competent in facilitating and leading large groups of people under stressful conditions
- Determined individual with a positive attitude

Personal Information

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Qualifications

MASTERS IN MECHANICAL ENGINEERING

Imperial College London ~ Sep 2018 - June 2022

- Achieved Dean's List, 1st Class, and Straight A's ~ 2020 (Year 2)
- Top 10 in cohort for Computing Course (Python Language) ~ 2020

SINGAPORE - CAMBRIDGE GCE A LEVEL

Hwa Chong Institution ~ Jan 2014 - Dec 2015

- Physics(A), Chemistry(A), Mathematics(A), Project Work(A)

Work Experience

GOVERNMENT TECHNOLOGY AGENCY (SIN)

Software Engineering Intern ~ Jun 2020 - Sep 2020

- Utilized a *Graph Algorithm* with *JavaScript* to construct a 3D Car Park Simulation
- Modeled a Static Map of Singapore using *3ds Max* and *Photoshop* for UV unwrapping and editing of textures.

SYSTMZ PTE LTD (SIN)

Design Engineering Intern ~ July 2019 - Sep 2019

- Developed an *innovative process* using CAD to fabricate mock-ups with elaborate shapes and surfaces, effectively saved material while still showcasing the overall structure.
- Designed *highly modular* wall structures and bedside cabinets that successfully cater to the specific needs of nurses and patients and are used in numerous hospitals

SINGAPORE ARMED FORCES

Infantry Company Officer ~ Dec 2016 - Nov 2017

- *Trained and mobilized* a company of 120 soldiers ensuring they are operationally ready for combat.
- Overall *in-charge of safety and the head contingency planner* of the display show in Army Open House that catered to 30000 members from the public.

Interests

Business/Idea Challenges:

- Dyson Makeathon ~ 2020
 - Designed astronaut gloves that would enhance the sensory experience by creating vibrations and familiar sounds from the various surfaces that the user touches
- Hack for Humanity ~ 2019
- Imperial Venture Catalyst Challenge ~ 2018

Ultimate Frisbee:

- *Captain* for varsity team ~ 2020 - 2021
 - *Adapted to Covid 19 and revamped* how trainings & recruitment were conducted
- *Coach* for varsity team ~ 2019 - 2020

Canoeing:

- National Inter-school 'A' Division *Overall 1st Placing* ~ 2014 & 2015
- Singapore Canoe Marathon Senior Category *1st Placing* ~ 2015

Volunteering:

- *Coordinated and executed* a 24 Hour Static Kayaking Challenge to raise \$30000 for Muscular Dystrophy Association Singapore ~ 2014