LIN MIN XUAN JESHUA

Aerospace Engineering Undergraduate

🔗 http://jesl.in @ jlin025@e.ntu.edu.sg 📞 +65 9663 2384 in linkedin.com/in/jeshua-lin ⌨ github.com/jeslinmx

EXPERIENCE

Summer Internship
Dyson (Research, Design and Development - Fluid Dynamics)

📅 May 2020 - July 2020   📍 Singapore

- Created automation tools complementary to the team's existing Fluent CFD workflow (meshing, setup, solving, and postprocessing), resulting in potential time savings of over 50 man-hours per design optimization study.

Research Internship
Institut für Energietechnik, Hochschule für Technik Rapperswil

📅 July 2019 - September 2019   📍 Switzerland

- Developed computer-aided geometry optimization workflows for the lift generating component of an airborne wind turbine in collaboration with an industrial partner.
- Handled various flow simulation software packages (ANSYS Fluent, STAR-CCM+, MSES).

Armoured Infantry Vehicle Commander
Singapore Armed Forces

📅 December 2014 - December 2016   📍 Singapore

- Exercised command over a section of 8 soldiers and an armoured personnel carrier in the field, as well as taking responsibility for their welfare within the barracks.
- Managed the administrative matters of a company of over a hundred soldiers, working closely with higher command to keep the combat team running smoothly.

High School Internship
Infocomm Development Authority of Singapore

📅 July 2012 - August 2012   📍 Singapore

- Conducted a nationwide feasibility study into online education initiatives as part of a group internship project over 4 weeks.

EDUCATION

B.Eng. (Hons) in Aerospace Engineering (REP), MSc. in Technology Management (ongoing)
Nanyang Technological University

📅 August 2017 - December 2021   📍 Singapore

Imperial College London (exchange)

📅 October 2019 - May 2020   📍 United Kingdom

The Renaissance Engineering Programme (REP) is a 4½ year dual-degree programme in engineering and business.

GCE 'A' Levels
Raffles Institution

📅 January 2009 - December 2014   📍 Singapore

ACTIVE PROJECTS

Shopee Product & Design Challenge
Semifinals Round

UI/UX Design   Product Management

Non-invasive condition monitoring of aircraft gearboxes
Renaissance Capstone Project (FYP)

Machine Learning   Signal Processing

Data Science Specialization with John Hopkins University
Massive Open Online Course (Coursera)

Data Science   Machine Learning   R

AWARDS

Imagine the Future Scenarios Competition 2018/2019
Shell Singapore

🏆 Regional Runners-up
🏆 National Champions

National Olympiad of Informatics 2011
National University of Singapore

🏆 Bronze Medallist

Singapore Games Creation Competition 2011
Nanyang Polytechnic

🏆 Best Technical Achievement

SKILLS

Programming
Python, Javascript

Graphic Design
Inkscape, GIMP, Adobe Photoshop, Adobe Illustrator, Figma, Blender

CAD/CAE
ANSYS Fluent, STAR-CCM+, Siemens NX, SolidWorks, OnShape