

PERSONAL INFORMATION



Male



+65 92302698



lucastay@u.nus.edu



Singapore

SKILLS



Languages

- English
- Chinese
- German



Technical

- XR development
- Stella architect
- Unity development
- Machine Learning
- ABB Robotstudio
- 3D printing



Coding

- Github
- Python
- Html, CSS
- C#
- Arduino
- Excel VBA



Design

- Adobe Illustrator
- Adobe Premier Pro
- Blender
- Solidworks
- Fusion360
- Figma

LUCAS TAY HAO YANG

Biomedical Engineering & Innovation Design
National University of Singapore

Diligent and driven university engineer seeking a position in engineering design. Problem solver with multidisciplinary technical expertise aimed at developing functional and meaningful solutions



EDUCATION

National University of Singapore

Aug 2019 - May 2023

Double Major: Biomedical Engineering and Innovation & Design

Minor: Financial Mathematics

Current Cap: 4.0/5

WORK EXPERIENCE

Project Management Office Specialist

Jan 2023 - Present

Schaeffler (Singapore) Pte. Ltd.

Manages and maintains the project portfolio, including project status, progress, maturity level, capacities, resources, and potential risk factors with Jira. Steers and coordinates lessons learned and ensures proper documentation and project reviews using Confluence.

Digital Game Art & Design Engineer

Jan 2022 - Apr 2022

Schaeffler (Singapore) Pte. Ltd.

Pioneered the interactive VR conferencing project in Schaeffler Asia Pacific using Unity3D and optimised system and features of application from ideation to deployment

New Product Introduction (NPI) Engineer

May 2021 - July 2021

Fong's Engineering & Manufacturing

Implemented and validated manufacturing processes of endoscopes and blood pressure transducers with biomedical qualification approaches (IQ, OQ, PQ). Improved and document automated robotic manufacturing line with ABB Robotstudio programming

ACADEMIC PROJECTS

Singapore Airlines App Challenge 2021

June 2021 – Sep 2021

Singapore Airlines (SIA)

3rd runner-up out of 85 teams staged internationally. Developed and designed a prototype gaming application aimed at enhancing airline passenger's inflight experience

Teaching Assistant

Dec 2019 – July 2020

Institute of Applied Learning Science (NUS)

Prepared and programmed teaching materials for up to 300 students. Enhanced student learning by facilitating and moderating classroom discussions. Graded and marked student assignments

EXTRA-CURRICULARS

Baden-Württemberg Scholar

Apr 2022 – Aug 2022

Baden-Württemberg-STIPENDIUM

Received scholarship from the Baden-Württemberg, Germany for academic excellence. Awarded 1500 SGD per month for a semester of cross-university engineering curriculum in Karlsruhe Institute of Technology (KIT), Germany.

Head of Internal Relations

Aug 2020 – May 2021

Raffles Hall Musical Production (RHMP)

Directed and coordinated welfare initiatives for over 200 students in Raffles Hall, including day-camps, training sessions and conferences. Headed recruitment, budgeting, preparing proposals and event logistics.