

LUCAS TAY HAO YANG

Penultimate Engineering student from NUS seeking a role in Design engineering

Design Portfolio: lucastay.co

- [Linkedin](#)
- [Github](#)
- Languages: English, Chinese, German
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WORK EXPERIENCE

Project Management Specialist

Jan 2023 – Present

Schaeffler (Singapore) Pte. Ltd.

- Managed R&D project portfolios, including project status, progress, maturity level, capacities, resources, and potential risk factors with Jira
- Coordinated project direction and supervised documentation and project reviews

Extended Reality (XR) Developer

Jan 2022 – Apr 2022

Schaeffler (Singapore) Pte. Ltd.

- Developed and designed interactive VR conferencing projects in Schaeffler Asia Pacific using Unity3D, C# and Oculus platforms
- Improved participants' engagement and collaboration in Virtual meetings remotely

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 documented automated robotic manufacturing processes with ABB Robotstudio programming

EDUCATION

National University of Singapore

Aug 2019 – May 2023

- Bachelor of Engineering: Biomedical Engineering and Innovation & Design (iDP)
- Minor in Financial Mathematics
- Graduating CAP (expected): 4.0/5

ACADEMIC PROJECTS

Singapore Airlines App Challenge (2021)

June 2021 – Sep 2021

[Singapore Airlines \(link\)](#)

- Achieved 3rd runner-up out of 85 competing international teams
- 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 over 300 students
- Enhanced student learning by facilitating and moderating classroom discussions

EXTRACURRICULARS

Baden-Württemberg Scholar

Apr 2022 – Aug 2022

Baden-Württemberg-STIPENDIUM

- Received scholarship from Baden-Württemberg State, Germany for academic excellence
- Awarded 1000€ each month for a semester at Karlsruhe Institute of Technology (KIT)

Head of Internal Relations

Aug 2020 – May 2021

Raffles Hall Musical Production (RHMP)

- Directed and coordinated welfare initiatives for over 250 students in Raffles Hall, including day camps, training sessions and conferences
- Headed recruitment, budgeting, preparing proposals and event logistics

SKILLS

- XR development
- OpenCV
- Machine Learning
- Jira
- 3D printing
- Adobe Creative Suites
- Additive Manufacturing (3D)
- Agile
- Python
- Unity3D
- CAD (Fusion360, Solidworks)
- Scrum