

Chua Xing Han

SUTD UNDERGRADUATE

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Summary

First-year undergraduate at SUTD. Diploma in Information Technology holder. Looking to invest all 3 summer breaks on meaningful learning opportunities.

Education

Singapore University of Technology and Design

BACHELOR OF ENGINEERING (COMPUTER SCIENCE AND DESIGN) (PROSPECTIVE)

- First-year undergraduate

Singapore

Sep. 2023 - April. 2027

UC Berkeley

CS61

- Self-study

Online

Dec. 2023 -

Singapore Polytechnic | [Link to transcript](#)

DIPLOMA IN INFORMATION TECHNOLOGY

- GPA: 3.58/4.00
- Solutions Development specialisation

Singapore

Apr. 2017 - Mar. 2020

MITx | [Link to 1A certificate](#) | [Link to 1B certificate](#)

18.01X SINGLE VARIABLE CALCULUS

- MOOC

Online

Jun. 2022 - Feb. 2023

Projects/Work Experience

Web Server | [Link to repository](#)

SUTD TERM 2 DESIGN THINKING & INNOVATION PROJECT

- Facilitates 2-way communication between our project's functional prototypes
- Based on Flask
- Includes a simple HTML frontend for prototype demonstration purposes

Singapore

Apr. 2024

"Light Cycle" | [Link to repository](#)

SUTD TERM 1 PROGRAMMING PROJECT

- A GUI-based replica of a classic arcade game built using only Python standard libraries (specified by grading rubrics)
- Designed a helper class to handle mathematical calculations
- Created a CLI-based menu to integrate the work of all group members

Singapore

Oct. 2023 - Nov. 2023

TheCage Booking Portal | [Link to repository \(customer\)](#) | [Link to repository \(admin\)](#)

FYP

- Responsible for back-end development of one customer and one admin portal interacting with the company's Odoo system
- Flask, SQLAlchemy + PostgreSQL, Bcrypt, Paypal REST SDK

Singapore

Nov. 2019 - Mar. 2020

Ministry of Education

INTERN

- Created 2 browser-based educational games from scratch using the Phaser 3 framework
- Modified existing assets using Adobe Illustrator to comply with project requirements

Singapore

Apr. 2019 - Aug. 2019

Freelance/Veritas Racing/Edutorque

COACH

- Assisted in race and rental kart training programmes
- Conducted simulator training for clients intending to participate in real-life car track days or win simulator competitions
- Leveraged relevant data analysis tools e.g. AiM Race Studio, Motec i2

Singapore

Aug. 2022 - Present

Skills

Programming Python, Javascript, Java, C#, HTML, CSS, Lua, LaTeX

Database Management SQL Server, PostgreSQL, NoSQL