

Cion Tan

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EDUCATION

Singapore University of Technology and Design

- Bachelor of Science (Design and Artificial Intelligence)
- Date of graduate: Sept 2026

Singapore

Aug 2022 – Present

WORK EXPERIENCES

Compasia Admin

Singapore

Apr 2022

- Providing back-end customer support by organizing records and serving as a call center agent.

ACADEMIC PROJECTS

Singapore University of Technology and Design

Design Thinking Project 1 (1ST runner up for the inter-cohort challenge) Humanitarian Aid Air Dropping

Singapore

Sept 2022 – Nov 2023

- Designed a parachute and an impact mitigation device for airdropping packages to ensure accurate and soft landings.
- Measured tests dropped with an Inertial measurement unit (IMU) device and presented our data.
- Conducted research to design a culturally nuanced airdrop package.

Singapore University of Technology and Design

3.007 Design Thinking and Innovation – Interactive Touch Responsive Light Installation

Singapore

Jan 2023

- Constructed a working prototype by making use of Indium Tin Oxide (ITO) plastic surfaces which is a conductive material to allow the installation to be touch responsive.
- Took charge of creating digital renders using Blender and Lumion to showcase a simulated interaction between user and installation.

Singapore University of Technology and Design

Spatial Design World Projects – Architectural Rendering

Singapore

Oct 2023 – Nov 2023

- Used Rhino as the software to produce 2D architectural drawings and 3D models of buildings, real-life replication of interior design layouts and objects.
- Used Blender and point cloud technology to create virtual avatars and environments.
- Worked as a 5 membered team to create a reinterpretation of renowned design “Eames House Brid”, made use of Stable Diffusion as an GenAI tool to create different mockups, followed up by using Blender and Rhino for 3D printing fabrication.
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Singapore University of Technology and Design

Conceptual Design of an Autonomous Electric Firefighting Vehicle

Singapore

Jan 2024 – Apr 2024

- In charge of 3D fabrication, using Fusion360 and Onshape and 3D printing.
- Explored mechanical engineering using Computer-aided design (CAD), i.e planetary gears.
- Spearheaded material rendering of vehicle body using Blender.

Singapore University of Technology and Design

Gebirah - Webapp for Refugees to Protect and Manage Digital Identity

Singapore

May 2024 - Present

- Working with the Humanitarian Organization Gebirah to design a webapp that aims to address real life problems that refugees face in securing their digital identity/
- Delved into designing thoughtful UI/UX interfaces through Figma and ReactJS.

Singapore University of Technology and Design
Human Computer Interactions – AI Cantonese learning webapp

Singapore
May 2024 - Present

- Addressing real-life social situations of lowering literacy rate of dialects in Singapore's youths and increasing disconnect between younger and older generations.
- Conducted UI/UX research through observational studies, and heuristic evaluations of low-fidelity prototype created using Figma.

CO-CURRICULAR ACTIVITIES

Freshmore Asian Cross-curricular Trip (FACT)
Universiti Brunei Darussalam, Kuala Belalong Field Studies Center

Brunei
Aug 2023

- Conducted rainforest research at the field studies center, this includes interviewing the researchers to present the difficulties they face when conducting their studies and designing a sustainable solution with the researchers and the protected forest in mind.

Singapore University of Technology and Design
CFA Financial Challenge (Internal Selection)

Singapore
Oct 2023 – Dec 2023

- Worked with a 5 membered team to delve into researching Sembcorp to give an investor recommendation on buying or selling.
- Includes presenting to a panel of judges our financial analysis and submission of a financial analysis report on the company Sembcorp.

Singapore University of Technology and Design
Freshmen Orientation Creative Media Subcommittee Member

Singapore
Feb 2023 – Sept 2023

- Designed the orientation banner for the Freshmen Orientation Program.
- Photographer for event.

Singapore University of Technology and Design
Night Fiesta Installation Subcommittee Member

Singapore
June 2023 – Sept 2023

- In charge of entryways installation design.
- Used Rhino and Blender to create light installation, 3D printed frames and used color filters to create a mosaic effect.
- Lighting program designer for Night Fiesta performances using software Daslight.

ADDITIONAL INFORMATION

- Technical skills: Figma, ReactJS, Python, Rhino, Lumion, Blender, Fusion360, Adobe Illustrator, Adobe Photoshop, Adobe Lightroom, Large Language Model (LLM), Generative AI, Lazer Cutting, 3D printing.
- Language skills: English, Chinese (spoken & written)
- PADI certified open water diver