

Yu Tung Chen

Singapore, 81638665, cytxbv@gmail.com

Date of birth	27 February 2002	Nationality	Singaporean
Place of birth	Singapore		

LINKS [3D Portfolio](#)

PROFILE Enthusiastic and motivated learner seeking to expand her knowledge. Eager to contribute through hard work, attention to detail and people skills. Clear understanding of tasks at hand and a fast learner.

EMPLOYMENT HISTORY

Jul 2024 — Aug 2024	Data Analytics Intern, UMC Summer Internship Program	Taiwan
	<ul style="list-style-type: none">Applied data analytics to optimize semiconductor processes and collaborating on real-world projects to drive data-driven decision-making and innovation.	
Jun 2023 — Aug 2023	Software Engineer, Sharker Technology	Singapore
	<ul style="list-style-type: none">Collaborated with cross-functional teams to implement real-time video streaming application using Java and Android Studio, achieving minimal downtime and seamless performance under high traffic conditionsImplemented data processing modules and optimized backend performance using Java frameworks	
Aug 2021 — Dec 2021	HR, Singapore Exchange , SGX	Singapore
	<ul style="list-style-type: none">Managed HR administrative tasks including maintaining employee records, processing requests, and updating policy documents.Consistently met project deadlines by effectively managing time and prioritizing tasks according to importance.	

EDUCATION

Sep 2021 — June 2025	Bachelor of Engineering (Computer Science and Design), Singapore University of Technology and Design
Sep 2019 — Mar 2021	A level, Tampines Meridian Junior College

SKILLS	Python	Android Studio
	JavaScript	Flutter
	Java	React

PROJECTS & ACCOMPLISHMENTS

Jan 2025 — May 2025	MINDEF AI Augmented Flight Route Planning
	Developed an autonomous drone navigation system using reinforcement learning in collaboration with RSAF under the RAiD initiative. Applied AI and project management skills to deliver a simulation-driven solution.
Jan 2024 — Mar 2025	RAG Model System
	Built a Retrieval-Augmented Generation (RAG) system using Streamlit for the user interface, integrated with AWS S3 bucket for document storage and knowledge base for intelligent information retrieval and response generation.
Aug 2024 — Dec 2024	TrekAlert Figma Prototype
	A comprehensive app that supports hikers of all levels by offering professional guidance tailored to trail difficulty and location, ensuring proper hike preparation.

Jun 2024 — Aug 2024

Sharker Internship Figma Prototypes

Designed an age-friendly logistics mobile app prototype that offers truck drivers and lighterage users dual-login capabilities and simple submission form access. Built a oscial media app mockup featuring video uploading, interactive features, and intuitive navigation for content sharing and engagement.

Jun 2024 — Aug 2024

Sharker Internship Android Application

Developed a video streaming mobile application using Java and Android Studio with Firebase authentication, featuring video uploading capabilities and real-time streaming functionality designed for client presentation.

Jun 2024 — Aug 2024

Image to LaTeX Project

Implemented an image-to-LaTeX AI system utilizing a fine-tuned YOLO v8 model and LSTM with attention,with Kaggle credentials for model and data management

Jun 2024 — Aug 2024

AI Face Recognition Simulation

Implemented and built a facial recognition system using a Siamese neural network architecture on Google Colab, utilizing the LFW deepfunneled dataset for model training and evaluation.

LANGUAGES

English	Native Speaker
Chinese	Native Speaker

HOBBIES

Volleyball