

# Kenny Ong Ker Chin

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## EDUCATION

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### Singapore University of Technology and Design (SUTD)

Sep 20 – May 24

- Bachelor of Engineering (Computer Science and Design), Honours
- Focus Track: Data Analytics, Minor in Artificial Intelligence

## WORK EXPERIENCES

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### System Analyst Intern at Synapxe

May 23 – Aug 23

- Synapxe is a multiple award-winning national Healthcare IT Leader that digitises, connects, and analyses Singapore's health ecosystem.
- Conducted user requirement analysis and crafted user stories for precise alignment with client needs
- Performed system integration testing to ensure seamless functionality and high-quality performance
- Supported the Project Manager in maintaining project management through meticulous audits, contributing to the successful execution of vital healthcare projects
- Developed solutions to automate and streamline user data for analysis, providing actionable insights and enabling data-driven decision-making for the organisation

### Software Engineer Intern at ZumVet

Aug 22 – Dec 22

- ZumVet is an innovative startup redefining veterinary care access through video consultations and medication delivery.
- Collaborated closely with a team of engineers on a web application that allows users to book online pet consultations and manage their pet's health using TypeScript, Express and React
- Created and improved Restful APIs for updating data in web application's backend server with code optimisation and technical documentation
- Managed and retrieved data on the MySQL server using DBeaver, ensuring data accuracy and integrity.
- Developed features for pet management and order processing, that were seamlessly integrated into the company's website, streamlining company operations, and improving user experience.

## ACADEMIC PROJECTS

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### HDB Resale Flat Price Prediction

Jan 23 – Apr 23

Singapore University of Technology & Design

- Worked in a small team to develop a deep learning model using time series predictive algorithms such as LSTM and XGBoost for predicting future HDB resale flat prices
- Utilised Python and popular libraries such as TensorFlow and scikit-learn for data preprocessing, data visualisation, model training, and evaluation
- Performed feature engineering to select and transform relevant features for accurate predictions
- Evaluated model performance using metrics such as MAE, MSE, and RMSE, achieving competitive results compared to existing models in data science such as ARIMA

### Automated Product Extraction Dashboard

May 23 – Aug 23

Monstyr Pte. Ltd.

- Worked in a team to deliver a web application for the client, using image processing to allow merchants to extract and crop images of their promotional items from any poster using Ruby on Rails
- Deployed using Google Cloud Services and Heroku, ensuring accessibility and performance for users
- Architected a robust front-end framework, elevating User Interface & User Experience to deliver an intuitive and engaging platform
- Incorporated Agile methodologies in project management, promoting streamlined workflows and deliveries

## CO-CURRICULAR

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### SUTD Basketball Men's Team

Jan 21 – Feb 22

Captain

- Led and represented SUTD in SUniG and IVP competitions, promoting teamwork and sportsmanship. Organized recruitment and trials for new members, fostering a cohesive team. Balanced on-court leadership with personal and academic development.