

Tan Jie En

Sophomore at Singapore Management University

A self-motivated team player with passion in technology. Currently majoring in Computer Science at Singapore Management University.

EDUCATION

BSc. Computer Science

Singapore Management University

Aug 2020 - May 2024

CGPA: 3.75/4

- Received SCIS Achievements Scholarship
- Dean's List AY2020/21
- Relevant coursework: Programming Fundamentals I & II, Data Management, Computer hardware and Embedded Systems, Data Structures and Algorithm I, Collaborative Software Development, Interconnection of Cyber-Physical Systems.

WORK/PROJECT EXPERIENCE

Data Analytics Intern

Feb 2020 -Jul 2020

Centre for Strategic Infocomm Technologies

- Automatic alignment of parallel monolingual corpora.
- Aligned parallel sentences using LASER and simple neural network on BUCC dataset.
- Conducted web crawling using Scrapy and Selenium.
- Built and trained RNN and Transformer model using Pytorch. Obtained highest BLEU score of 0.201.
- Utilized back-translation to recycle non-parallel corpora and augmented data by adding sampling noise.
- Experimented with Flask web application and ngrok.

SMU-X module

Aug 2021 -Dec 2021

Kaizen Employee Management System

- Partnered with Credit Suisse to build a employee management system targeting the construction industry.
- Utilized Agile framework for project management.
- Developed backend using SpringBoot.
- Developed frontend using ReactJS and materialUI.
- Integrated Stripe API and Kommunicate Chatbot.
- Utilised AWS cloud services such as AWS Cognito, AWS Relational Database, AWS S3 bucket, AWS CodePipeline and AWS elastic beanstalk.
- Emerged as top project to be presented to Credit Suisse.

SMU-X module

Jan 2021 -Apr 2021

Port Management System

- Partnered with Singapore Port Authority to build a Management System for Port Scheduling.
- Object-oriented programming using Java

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SKILLS

Java	<div><div></div><div></div><div></div><div></div><div></div></div>
C	<div><div></div><div></div><div></div><div></div><div></div></div>
C++	<div><div></div><div></div><div></div><div></div><div></div></div>
MySQL	<div><div></div><div></div><div></div><div></div><div></div></div>
Spring Boot	<div><div></div><div></div><div></div><div></div><div></div></div>
ReactJS	<div><div></div><div></div><div></div><div></div><div></div></div>
HTML/CSS	<div><div></div><div></div><div></div><div></div><div></div></div>

COMPETITIONS

- Obtained most insightful solution for Ellipsis Tech Series 2021 Hackathon.
- Obtained team 6th overall placing out of over 200 participants in 'I'm the Best Coder! Challenge 2019' by Shopee.

VOLUNTEERING ACTIVITIES

Bike4Change 5

- Volunteered with Renci Nursing Home

Meet-The-People Session

- Drafted appeal letters to relevant authorities to aid residents

LANGUAGES (COMMUNICATION)

English
Native or Bilingual Proficiency

Chinese(Mandarin)
Native or Bilingual Proficiency