

TAN YAN JIE

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SUMMARY

Motivated and adaptable Software Engineering graduate with strong problem-solving abilities and a growth mindset. Skilled in frontend and backend development, UI/UX design, and system logic implementation. Completed a 3-month internship focusing on Angular, Spring Boot, and Figma, contributing to both system enhancements and marketing deliverables. Eager to contribute to real-world software development and grow into a well-rounded engineer.

EDUCATION

Bachelor of Software Engineering (Honors)

June 2022- August 2025

Southern University College

- CGPA: 3.77/ 4.00
- Southern University Scholarship Recipient
- Dean's List for 2023B, 2024B, 2024C

EXPERIENCE

Software Engineering Intern

June 2025 – September 2025

ER Group Technology Sdn Bhd - Healthcare Management System Project

- Contributed to frontend development using Angular, HTML, CSS, JavaScript and backend integration with Spring Boot.
- Designed and refined UI/UX in Figma, ensuring responsive layouts and consistent logic across web and mobile views.
- Implemented key system features, including Dual Address forms, Credit Note validation/void logic, and Service Status calculation.
- Developed and tested email templates using Thymeleaf, JavaMail, and Brevo, ensuring cross-client compatibility.
- Created marketing deliverables such as brochures, banners, and Facebook post visuals to support product promotion.
- Improved documentation through updates to the Software Design Document (SDD) and project briefs.

Part Time Tutor

June 2022 - Present

U1 Robotics Centre, Johor

- Delivered hands-on programming instruction using Scratch and LEGO WeDo 2.0, guiding students to design, build, and program functional robotic systems.
- Cultivated students' computational thinking and problem-solving skills by facilitating iterative design and debugging practices.
- Led small group projects that emphasized collaborative development, effective communication, and teamwork—key principles in agile software environments.
- Fostered creativity and innovation through open-ended challenges, encouraging learners to explore alternative solutions and enhance their designs.

ACADEMIC PROJECTS

Outfit Recommendation System

2025

Dart

- Developed an Outfit Recommendation System using Flutter with Firebase for data management.
- Implemented outfit recommendations based on style preference, occasion, and body type, providing users with a variety of personalized suggestions.

Analysis of Student Mental Health

2024

Python

- Analyze student mental health data from Kaggle by preparing, cleaning, and visualizing the dataset.
- Visualizing trends and patterns in student mental health using Matplotlib and Seaborn.

Timber Man

2024

Java

- Developed a classic arcade-style tree-chopping game using JavaFX, integrating MySQL via XAMPP for data management.
- Implemented high-score tracking with a JDBC connection to ensure seamless data storage and retrieval.

SKILLS

- **Frontend & UI:** Angular, HTML, CSS, JavaScript, Figma, Canva
- **Backend & Database:** Java (Spring Boot), Firebase, MySQL (phpMyAdmin), PostgreSQL, Laravel
- **Mobile Development:** Flutter
- **Data Analysis:** Python (Pandas, Matplotlib, Seaborn)
- **Other Tools:** Git, Postman, Visual Studio Code, IntelliJ IDEA, Cursor

AWARDS & COMPETITIONS

Gold Award – Johor International Innovation, Invention Competition and Symposium (JIICaS 2025)

- Project: *Decision-Making System for Property Buying (A-ST002)*
- Category: Science & Technology
- Organized by UiTM Johor Branch, September 2, 2025

Gold Award – 3rd International Research, Innovation, Creativity & Engineering Project Competition (i-RICE'25)

- Project: *AI Powered Decision-Making System for Property Buying*
- Organized by Southern University College & IEM SUC, August 28–30, 2025

Certificate of Achievement – UMHackathon 2025

- Outstanding Performance as Participant in Quantitative Trading Domain
- Organized by Universiti Malaya & PEKOM

LEADERSHIP & ACTIVITIES

Vice President, Prefectorial Board

2019-2020

Sekolah Menengah Chung Hua Port Dickson

Chief of Discipline, Dance Society

2019-2020

Sekolah Menengah Chung Hua Port Dickson