YAO LONG TAN

Penultimate Computer Science Student in Singapore Management University

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PROFILE

Highly motivated, diligent, and driven undergraduate pursuing Computer Science at Singapore Management University. Experienced with various programming languages, willing to take on ambitious projects and embrace challenges.

EMPLOYMENT HISTORY

Software Engineer Intern, Azendian Solutions .... May 2023 — Present
Singapore

- Created backend endpoints RESTful APIs to return relevant information to the frontend.
- Create and debug codes with proper code practices with relevant documentation to allow future maintainability.

Research Assistant for Autonomous Vehicle Algorithm Testing using .... Jun 2022 — Aug 2022
LawBreaker Intern, Singapore Management University
Singapore

- Testing edge cases of autonomous vehicle framework using Apollo with LGSVL simulator.
- Interfaced with the source code of Apollo Autonomous Driving System to find solution for the problem.

Part Time Administrator, Top Taekwondo Academy .... May 2021 — May 2022
Singapore

- Ensure smooth day-to-day operations in the company.
- Ad-hoc administrative matters such as compiling excel sheets, attendance, etc.
- Designed and created several marketing collaterals such as the current banner for Top Taekwondo Academy Serangoon and short unlisted marketing video.

Autonomous Electric Vehicle Intern, Singapore Polytechnic .... Mar 2020 — Aug 2020
Singapore

- Improved the performance and algorithm of the vehicle to be able to steer autonomously using the Autonomous Navigation feature.
- Programmed the Electric vehicle using Robot Operating System to maneuver the vehicle autonomously.
- Developed our own driving formula for the car-driving system.

EDUCATION

Singapore Management University .... Aug 2021 — Present
Bachelor's Degree in Computer Science
Singapore

Singapore Polytechnic .... Apr 2018 — Apr 2021
Diploma in Computer Engineering
Singapore

- Graduated with Cumulative GPA: 3.87/4.00
- Director's List AY20/21

SKILLS

Java	Docker
Javascript	C/C++
Python	Adobe Premiere Pro/Photoshop
ReactJS/VueJS	Microsoft Word/Excel
ExpressJS	Git/GitHub
Figma	ROS

PROJECTS

❖ Bussin Carpooling App .... Aug 2022 — Nov 2022
Singapore

Bussin is a **carpooling** service that serves to bridge the gap between public transport and ride-hailing services through better utilization of privately owned cars through ride-sharing to reduce traffic volume, especially during peak hours. **Bussin** mainly serves those who have predictable travel schedules – enabling the platform to find the ideal match between drivers' and commuters' routes by taking advantage of the predictability of their routes.

- Used Spring Boot as the main back-end infrastructure.
- Worked collaboratively in a group, using Scrum project management and Git workflow.
- Awarded the Credit Suisse Project Award.

❖ Project Member for Singapore Polytechnic IoT Vertical Farming .... Apr 2020 — Jun 2020
Singapore

- IoT-Enabled automated system that allows the monitoring of plant growth.
- Won the Lee Hsien Loong Interactive Digital Media Smart Nation Award 2020.

EXTRA-CURRICULAR ACTIVITIES

❖ Honorary General Secretary .... Aug 2022 — Present
SMU Whitehat Society
Singapore

- Assist the club with all administrative work such as crafting email blast messages, and collation of names to be submitted for official records.
- Produces meeting minutes and ensures the club is running is a smooth manner whilst keeping deadlines in check.

❖ Quarter Master/Executive Committee .... Jul 2018 — Jan 2020
Singapore Polytechnic International Students' Club
Singapore

- Manages the club properties of the club and ensures the club room is tidy at all times.
- Organized more than 12 events together with committee batch mates.

Chairperson of International Students' Freshmen Orientation Program

- Administer the planning and the execution of the event held in Palawan Beach, Sentosa which had achieved more than 200 signups in a week.

❖ School Ambassador .... Aug 2018 — Jan 2020
Singapore Polytechnic, ACERS
Singapore

Student Ambassadors for Singapore Polytechnic's School of Electrical and Electronic Engineering where I introduced the school and described my experience as a student in SP. Additionally, I was involved in SP's Open House as a Student Helper, where I had the opportunity to engage secondary school students and parents.