

Cenina Michael Carlo Ramirez

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EDUCATION

Singapore University of Technology and Design

- Bachelor of Engineering (Computer Science and Design), Honours
- GPA 3.5/5.0
- Leadership: Bowling Committee Treasurer
- Date of graduation: Aug 2027

Yishun Innova Junior College

- A level certificate
- Leadership: Class president
- 2018-2020

ACADEMIC PROJECTS

Singapore University of Technology and Design

Vroom Android App Development

- Helped in developing both the front-end and back-end of Vroom, a Java-based mobile application using android studio designed to streamline the booking process between private instructors and students.
- Implemented a user-friendly interface, ensuring seamless navigation and interaction for users.
- Designed and optimized backend services for secure and efficient handling of bookings, user authentication, and real-time availability.
- Integrated database management for storing user profiles, instructor details, and scheduling data.
- Collaborated with a team to enhance functionality, improve performance, and debug critical issues.

Design Thinking Project - Lumi Tag

- Co-developed LUMITAG, a game-based wearable device designed to make running more engaging by incorporating interactive RFID-based tag mechanics and LED indicators.
- Designed and implemented both hardware and software components, integrating RFID sensors, LED displays, and a real-time tracking system to create a competitive and immersive running experience.
- Led gameplay development, ensuring smooth interactions between runners and chasers through a contactless RFID tagging system that tracks distance and player status dynamically.
- Successfully tested with participants, receiving positive feedback on making running more enjoyable and exciting.
- Recognized as one of the top projects in Cohort SC06, showcasing innovation in fitness gamification and urban space activation.

CO-CURRICULAR ACTIVITIES

SUTD Bowling Committee

6th Feb 2024 to 6th Feb 2025

Position: Treasurer

- Worked with 3 other members to ensure that the bowling sessions and creation of events does not have any delay in terms of settling payments
- Managed the funds of Bowling Committee ensuring sessions are paid for and there is sufficient funds and welfare during important events such as Sunig which is a competition between schools

Overseas Community Involvement Programme

Tianjin University- Tianjin, China(25th Aug 2024 - 1st Sep 2024)

- In a team of 3, developed global exposure where I built and coded a fully functional vehicle that can follow a coloured line smoothly

Hanyang University- Seoul, Korea(28th June 2024 - 31st July 2024)

- For 1 month, I learnt additional modules such as international business which expanded my knowledge outside of my core modules.

ADDITIONAL INFORMATION

- Technical Skills: Java, JavaScript, Python, HTML, CSS, SQL, Rhino CAD
- Fluent in English, Tagalog (spoken & written), Intermediate level French (spoken & written)