

THAM ROU YI

UNDERGRADUATE IN BSC(HONS) IN COMPUTER SCIENCE

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ABOUT ME

Passionate final-year Computer Science student seeking an internship opportunity from **January 13, 2025, to April 4, 2025**. Proficient in various programming languages and tools, with experience in both software and front-end development. Motivated to apply my technical skills to support the company's goals and contribute to innovative solutions. Eager to gain exposure to real-world projects while learning from experienced developers.

EDUCATION

Sunway University

BSc (Hons) in Computer Science

Petaling Jaya, Selangor

August 2022 - Expected to graduate in August 2025

- **Current CGPA:** 3.91 / 4.00
- **Award:** Dean's List Award, Jeffery Cheah ACE Scholarship

Sunway College

Australian Matriculation (AUSMAT)

Petaling Jaya, Selangor

July 2021 – April 2022

- **Australian Tertiary Admission Rank (ATAR):** 98.2 / 100.0
- **Award:** Top 5% Scorer for Western Australian Certificate of Education (WACE) 2021, Sunway College Full Special Scholarship 2021

SMK USJ 12

Malaysia Certificate of Education (SPM)

Subang Jaya, Selangor

January 2016 – December 2020

- **Results:** 8A+, 2A
- **Award:** Outstanding Achievement Award for SPM 2020

SKILLS

Programming Languages: Python, HTML, CSS, JavaScript, Java, Scala, SQL

Tools: Android Studio, Figma, Canva, Visual Paradigm, Creality Print, Visual Studio Code, IntelliJ Idea, Eclipse, Spyder

Languages: English, Mandarin, Malay, Cantonese

PROJECTS

Fish Survival Game – “Under The Sea”

August 2024

Individual Project - Scala, ScalaFX, FXML

- Developed an underwater-themed fish-jumping game with a responsive graphical user interface (GUI), real-time scoreboard integrated with a database, and background music.
- Applied Object-Oriented Programming (OOP) principles and Model-View-Controller (MVC) architecture to manage functionality across 8 classes.

Food Inventory Management Mobile App – “EatUp” ([Demo Video](#))

March 2023 – August 2023

Group Project (Front-end Developer) - Android Studio, Kotlin, Firebase

- Developed a mobile app addressing food wastage and promoting sustainable consumption by tracking food expiration dates via barcode scanning and sending timely notifications for expiring products.
- Integrated Google Maps API to facilitate collaboration with NGOs for seamless food pickup and donation.
- Designed front-end prototypes in Figma and translated them into fully functional Android Studio interfaces.
- Ranked in the Global Top 100 Finalists for Google's Solution Challenge 2023.

Video Processing Tool

August 2023 – October 2023

Group Project - Python

- Developed a video processing tool to detect and blur faces, adjust brightness based on daytime/nighttime, and integrate watermarks and end-screen videos.
- Utilized Python libraries such as OpenCV, NumPy, and Matplotlib to enhance content quality and data visualization through automated image processing techniques, including facial recognition, content overlay, and video manipulation.

Bakery Website – “Dreamy Bites”

June 2023 – July 2023

Group Project - HTML, CSS, JavaScript

- Developed an interactive website for a bakery, featuring over 15 pages that dynamically display the menu, FAQs, and handle customer inquiries through JavaScript-powered forms.
- Created a comprehensive prototype using Figma, ensuring an intuitive and visually appealing user experience.

Boat Racing Game

June 2023 – July 2023

Group Project - Java

- Developed a multiplayer, command-line boat racing game that tracks player moves as they navigate through a map filled with obstacles and power-ups to enhance the gameplay experience.
- Created a UML diagram to illustrate class relationships and guide the game’s object-oriented design.

EXTRACURRICULAR ACTIVITIES

Asiahaptics Conference 2024

October 2024

Student Helper

- Prepared welcome packages and assisted with the setup of 60 demonstration booths for over 250 international attendees, keynote speakers, and committee members.
- Supported registration and handled ad hoc responsibilities, while escorting participants from China, Japan, and Korea to designated locations, ensuring a smooth experience throughout the conference.

Sunway Tech Club, Sunway University

May 2023 – Present

General Committee

- Facilitated tech-related workshops, including building Discord bots and coding portfolio websites.
- Assisted in events focused on early-career opportunities, including company visits, tech consulting panels, and industry insight sessions.

Google Developer Student Clubs, Sunway University

October 2022 – June 2024

Head of Management

- Emceed and organized events focusing on Google technologies, such as UI/UX and Cloud workshops.
- Coordinated logistics for events, including setting up 3D printing machines for a 3D modelling workshop.
- Prepared over 10 event proposals and post-event reports, ensuring thorough documentation and alignment with club objectives.

The Assembly Soup Kitchen (T.A.S.K.)

Feb 2024 – March 2024

Volunteer

- Volunteered for 26 hours, assisting with food preparation and packaging for daily meal distribution to underprivileged schools and organizations.
- Contributed to recycling initiatives by repurposing expired mouthwash into toilet cleaners.