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WORK EXPERIENCE

University of Malaya

Oct 2024 – Jan 2025

Teaching Assistant (Part-time)

- Supported 60 students through comprehensive lab sessions for WIX1002 Fundamental of Programming, delivering targeted technical guidance and hands-on learning experiences.
- Developed innovative and challenging assignment materials that enhanced student learning outcomes and critical thinking skills in programming.

YTL-Sea Digital Bank Project

Jul 2024 – Sep 2024

Frontend Engineer (Internship)

- Contributed to the public launch of the YTL-Sea Digital Bank Project by participating in the frontend development of the app using React Native.
- Improved the operational efficiency of the digital bank by participating in the development of the internal-use admin portal.

UniLah. The Student App

Nov 2022 – Jun 2023

Software Developer (Part-time)

- Built a clean, maintainable, and scalable codebase of a native Android app by using MVVM architecture and modern Android development libraries (Android Jetpack).
- Contributed to the successful launch of the UniLah mobile application by participating in the development of the app using Flutter.

iLab@UM Innovations Sdn Bhd (iLab@UMI)

May 2022 – Jan 2023

Software Developer (Part-time)

- Streamlined farm management and promoted the use of digital farm records for farmers by participating in the full lifecycle (design, development, testing, user training, and support) of the iFarm project.
- Contributed to a successful mobile app release, by participating in the design, development, and testing phases of the Kindy project.
- Improved development efficiency by participating in researching test automation, preparing datasets and analyzing the quality of test cases generated using the NLP technique.

ACADEMIC PROJECT

Universiti Malaya, Malaysia

Mar 2024 – Present

Final Year Project – Congenital Anomalies Follow-up and transitional carE system

- Improved care and potentially reducing healthcare costs by developing a dedicated medical application to promote digital medical records and streamline follow-up care for patients with congenital anomalies.

EDUCATION

Universiti Malaya, Malaysia

Oct 2021 – Present

Bachelor of Computer Science (Software Engineering)

- Dean's Award
- Current CGPA: 3.97

Yokohama National University

Oct 2023 – Feb 2024

Student Exchange Programme

- Broadened cultural understanding and developed intercultural communication skills through participation in the exchange program.
- Enhanced personal growth and resilience by adapting to a new environment and fostering international friendships.

SMK Simpang Empat

Jun 2019 – Mar 2021

Sijil Tinggi Persekolahan Malaysia, STPM

- CGPA: 4.0

CO-CURRICULAR ACTIVITIES

Persatuan Komputer Universiti Malaya (PEKOM)

Mar 2023 – Present

Head of Logistics and Technical Department

- Increased online presence and reach of the club by leading a website development team to build the PEKOM official website and admin panel from scratch with proper SEO in place.
- Contributed to the success and smooth operation of PEKOM events and activities by managing the logistics of the events.

Makerspace@UM

April 2023

Volunteer Instructor

- Empowered 10 participants with different backgrounds and education levels with mobile app development skills by delivering an eight-hour workshop, "Flutter Foundation: Your First Step to Mobile App Development."

Technical & Contest Protocol Department, Odyssey Hackfest 2022

Apr 2022 – Nov 2022

Committee Member

- Increased online presence and streamline registration for the event by contributing to the front-end development of the Aptitude Challenge and Odyssey Hackfest websites.
- Promoted game-based learning by developing an educational WCD Burger minigame that teaches OOP concepts to the participants.
- Fostered a collaborative and successful learning environment by providing technical support to participants facing challenges in mobile application development.

Multimedia & Publicity Department, UM Hackathon 2022

Dec 2021 – Jul 2022

Committee Member

- Enhanced the visual appeal and audience engagement by creating 2D and 3D illustrations and animated backdrops for the events.

CERTIFICATIONS

- Certified Professional Requirement Engineering – Foundation Level (CPRE-FL), IREB
- CCNA: Introduction to Networks, Cisco

SKILLS

Languages: Proficient in English and Chinese, conversant in Malay, intermediate in Japanese

Programming Languages: Kotlin, Java, TypeScript, JavaScript.

Technologies: React, NextJS, React Native, Expo, Tailwind CSS, Android, Android Jetpack.

Tools: Android Studio, Figma, Git, GitHub

AWARDS

- Third Runner-Up in CodeNecton 2022, Open Category
- Overall Winner in the Android Development National Challenge 2022
- Penang State 2020 Excellence Student in STPM Examination Award
- Third place in the National Robotics Competition 2019, Open Category, National Level
- First Place in the National Robotics Competition 2019, Open Category, State Level

HOBBIES & INTERESTS

Reading, playing badminton and watching Anime.