HENG ZI YING

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A motivated and driven computer science student who graduated from Monash University Malaysia, actively dedicated to expanding my knowledge and skills. Proficient in both Python and Java and graduated with a 3.8 CGPA. Eagerly seeking for a full time job, aiming to leverage and enhance my technical expertise within a hands-on setting.

ACADEMIC QUALIFICATIONS

Monash University Malaysia (MUM) Selangor, Malaysia
Bachelor of Computer Science Mar 2022 - Nov 2024
Specializing in Advanced Computer Science
CGPA: 3.8   Weighted Average Mark: 81

WORK EXPERIENCE

Software Engineer Internship - Juris Technologies Nov 2023 - Feb 2024
- Developed and customized loan application software for clients using PHP, PHPLens, and PL/SQL.
- Conducted UAT by creating test scripts, executing tests, and providing feedback to improve usability.
- Collaborated with stakeholders to gather requirements and implement new functionalities.
- Gained hands-on experience in web development, SQL, and system configuration.

PROJECT EXPERIENCE

Event Management App
- Designed and developed an **Android app** to create, edit, and categorize events, utilizing a **Room Database** for persistent storage with full **CRUD operations**.
- Integrated **Google Maps API** for category location display and **WebView** for hosting external webpages within the app.
- Skills & Tools: Android Studio, Java, Visual Code Studio.

Elden Ring, text-based rouge-like game
- Led a team of 3 to develop a text-based rouge-like game that is inspired by 'Elden Ring' using **Java**.
- Effectively employed **object oriented programming principles** to design and develop this game.
- Utilized **Git** to seamlessly manage files and facilitate collaboration within the team.
- Skills and Tools: Java, Intellij, Git

Music Seperation Model (Final Year Project)
- Designed and implemented a **Convolutional Neural Network (CNN)** model for audio separation, training it on the MUSDB18HQ dataset to effectively isolate vocals, bass, drums, and other instrumental components.
- Designed a **Streamlit-based** user interface for easy audio upload, processing, and download.
- Managed project milestones and team collaboration using **agile methodologies**.
- Skills and Tools: Google Colab, CNN, Pytorch, Torchaudio, Streamlit, Agile

Morning Dashboard
- Independently developed a **responsive and user-friendly dashboard** application that allows users to personalize their RSS   news feed experience by easily adding, managing, and viewing RSS URLs.
- Implemented key features such as dynamic **RSS feed parsing** and an intuitive user interface for seamless navigation.
- Skills and Tools: Javascript, ReactJs, HTML, CSS, GitHub Pages

CO-CURRICULAR EXPERIENCE

Monash University Malaysia Tech Club (MUMTEC) - Event Officer Feb 2024 - Dec 2024
- Planned and organized tech-related events, workshops, and competitions, managing logistics and ensuring smooth execution.
- Played a key role in organizing the **Mind Engine Expo 2024**, a career fair aimed at connecting students with employers in the IT and engineering industries.

SKILLS AND PROFICIENCIES

- **Technical Skills:** MS Office (Word, PowerPoint,Excel) | Python| Java | C | SQL | Javascript |Linux | CSS | HTML | ReactJs
- **Languages:** English | Chinese | Malay
- **Soft Skills:** Communication | Adaptability | Problem Solving | Teamwork