

Jason Kong Zheng Yang

Penultimate Year Student, Computer Science with Artificial Intelligence, University of Nottingham Malaysia

✉ jkwork02@gmail.com ☎ 0168078535 📍 96000 Sibu, Sarawak 🌐 github.com/jkgithub02

🌐 <https://www.linkedin.com/in/jason-kong-zy/>

About Me

Second-year Computer Science with Artificial Intelligence student at the **University of Nottingham Malaysia**. Beyond academics, I am also a part of multiple clubs and societies. My post high school awards include the **UCSI University Trust Scholarship** for my foundation studies and the **High Achievers' Scholarship** at my current university. My technical skills span programming languages such as **C, C++, Python, Java, HTML/CSS, JavaScript, PHP, SQL and Haskell**, with a focus on **AI, machine learning, and data analytics**. I am currently **seeking an internship from June to September** and always eager to learn, expand my skill set and embrace new challenges in the ever-evolving tech landscape.

Technical Skills

- Python
- C, C++
- Java
- Haskell
- Javascript
- HTML, CSS
- PHP

Professional Experience

The Bendahari, University of Nottingham Malaysia

Jun 2024 – Sep 2024

Research Intern

- **Cooperated with stakeholders** to define **project requirements** aimed at preserving the Kristang culture through **technology integration**
- Developed a **Kristang speech recognition** software using **Streamlit**, allowing users to interact with the project in Kristang, promoting language learning and preservation.
- **Conducted research on language preservation techniques**, ensuring the project aligned with cultural goals and had a meaningful community impact.
- **Delivered project milestones within one month**, working closely with university and external stakeholders to **ensure technical feasibility and cultural sensitivity**
- Assisted in organizing and setting up a **public exhibition at The Bendahari Melaka and Praya Lane** to showcase the project's impact, demonstrating the potential of technology in preserving endangered languages and cultures.

STEAM Carnvial, University of Nottingham Malaysia

Apr 2024

Developer

- Constructed the **backend architecture** for a **mock MBTI plant-personality quiz** in Python within one month
- **Integrated quiz logic** and user data storage to **generate personalized results**, enhancing engagement with interactive elements.
- **Collaborated with front-end developers** to ensure seamless interaction between the user
- **Conducted rigorous testing** and debugging to identify and resolve issues, ensuring a smooth and error-free user experience.
- Worked closely with event organizers to **align the technical solution with the carnival's educational and interactive goals**.

Lead and Tutor

- **Designed comprehensive Python curriculum** for beginner and intermediate levels, tailored for secondary school students within one month
- **Delivered engaging and interactive coding lessons**, simplifying complex programming concepts for an average number of 15 students with varying skill levels
- **Monitored student progress** and **provided personalized feedback**, ensuring continuous improvement and active engagement throughout a total of 8 workshops
- **Refined workshop materials and teaching methods**, ensuring high educational standards and impact

Secretary, Junior Committee

- Assisted in **preparing minutes and documentation** for future references
- Supported **event coordination, such as industrial tech talks**, driving student engagement in computer science-related activities
- Coordinated with senior society members to strategize and implement initiatives, **improving the society's visibility and outreach**
- Maintained **accurate records of memberships, event participation, and society activities throughout 2 semesters** to ensure data integrity and easy accessibility

Education

University of Nottingham Malaysia

Computer Science with Artificial Intelligence

Sep 2023 – present | Semenyih, Selangor, Malaysia

- Awarded the **High Achiever's Scholarship** upon admission
- Year 1 Average Weighted Marks: **84.8% (First Class)**

UCSI University

Foundation in Science

Jan 2022 – Dec 2022 | Cheras, Selangor, Malaysia

- Awarded **100% Tuition Waiver Scholarship** by **UCSI Trust Office**
- Graduated with a **CGPA of 3.91**

Projects

Insight Canvas

BAE Systems, Software Engineering Group Project 2024-2025

Oct 2024 – May 2025

- Designed and developed a full-stack web application that generates interactive data visualizations from CSV datasets using AI recommendation techniques
- Built a Python-based FastAPI backend that processes datasets and renders visualizations with Plotly, implementing custom chart recommendation algorithms
- Created comprehensive testing frameworks with Jest for frontend and pytest for backend components
- Developed a responsive React frontend with features including data preview, dynamic chart filtering, and a "Stories" feature for creating data narratives

Kristang Speech Recognition Software

The Bendahari, Praya Lane Project

Jun 2024 – Sep 2024

- Developed an interactive python web application to help users learn Kristang vocabulary using a Portuguese language model via Vosk.
- Implemented speech recognition features to allow users to practice pronunciation and improve language skills.
- Designed a user-friendly interface using Streamlit for seamless interaction and engagement.

Languages

English

Native Proficiency (Written and Spoken)

Chinese

Native proficiency (Written and spoken)

Malay

Fluent proficiency (Written and spoken)