KONG SEH CHONG

Software Engineer

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No. 37 Lorong CP 4/36A, Taman Cheras Perdana

ABOUT ME

A recent graduate holding a Bachelor of Computer Science degree from UCSI University, I am passionate about technology and eager to embark on a career path that allows me to apply my knowledge and skills in a meaningful way. With a solid foundation in programming languages and software development gained through my coursework, I am excited about the prospect of contributing to innovative projects in the tech industry.

EDUCATION

SMK Cheras Perdana

SPM

- 2015 - 2020
- 2A+, 6A-, 1B+, 1B

UCSI University

Foundations in Arts

- CGPA 3.95 2020 - 2021

Bachelor of Computer Science

- CGPA 3.72 2021 - 2024

PROGRAMMING LANGUAGES

- HTML
- CSS
- Javascript
- Python
- React JS
- Django
- Java
- MySQL
- C++
- PHP
- GIT
- Linux

LANGUAGE

English

Chinese

Malay

WORK EXPERIENCE

September 2022 - Present
Medical Awareness Camp Outreach (MACO)

IT Technical Support

- Diagnosing and troubleshooting hardware and software issues with precision and care, ensuring optimal functionality of refurbished computers.
- Refurbishing and repairing computers destined for donation to primary schools, employing meticulous attention to detail.
- Delivering excellence in IT technical support, understanding the significance of technology in enhancing students' education.

September 2022 - Present
TigaKY Sdn. Bhd.

Programmer

- **Server Maintenance and Provisioning:**
  - Installed and configured Proxmox for virtualization management, ensuring efficient resource allocation.
  - Provisioned VMs and servers, scaling resources as needed to accommodate workload demands.
  - Monitoring the VMs status and maintenance or action will be carried out if any problem occurs.

- **Smart Plug System**
  - **Technologies Used: Flask, HTML, CSS, JavaScript**
  - **Project Highlights:**
    - Remote Control & Scheduling: Enabled users to control and schedule electrical devices remotely via a web interface.
    - Real-Time Monitoring: Implemented real-time status updates for connected devices, allowing users to monitor power usage and device status.
    - Flexible Scheduling: Developed a scheduling system with support for recurring tasks on specific days and times, along with delayed action handling.
- **Request Web Page**
  - **Technologies Used: React JS, Bootstrap and Django**
  - **Project Highlights:**
    - Developed a web application allowing users to request computers, laptops, and other accessories from an NGO.
    - Utilized React.js for the frontend to design and managing the state of every variables
    - And Django for the backend to manage the token session for authorize users and track or store requests efficiently.
    - Designed intuitive user interfaces with Bootstrap frameworks and implemented seamless navigation for enhanced user experiences.

FINAL YEAR PROJECT

Sign Language Interpretor

- Developed a system to recognize 24 static ASL hand gestures using OpenCV and MediaPipe.
- Collected and processed 300+ images per gesture to extract hand landmarks.
- Trained a Random Forest Classifier for accurate real-time gesture recognition.
- Integrated the model with a Tkinter GUI and packaged it into a standalone application using PyInstaller.
- Enhanced efficiency by implementing automated gesture capture.

CERTIFICATIONS

- Meta Front-End Developer
- Meta Back-End Developer
- Participation in International Conferences of Artificial Life and Robotics (ICAROB 2024)