KONG SEH CHONG

Software Engineer

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

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

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.

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.
  - Monitored system uptime, performance optimization, and addressed security vulnerabilities.

- **Web Development with React JS:**
  - Developed dynamic and responsive web applications using React JS, enhancing user engagement.
  - Utilized React JS libraries and frameworks for flexible and high-performance web development.
  - Designed intuitive user interfaces and implemented seamless navigation for enhanced user experiences.
- **CCTV System Configuration and PTZ Programming:**
  - Configured CCTV systems using Shinobi technology for comprehensive surveillance solutions.
  - Integrated Python scripts to enable advanced functionalities, such as automation and analytics.
  - Customized CCTV setups to meet specific security requirements, including automated PTZ controls for precise monitoring.

FINAL YEAR PROJECT

Sign Language Interpretor

- Developed a hand gesture recognition system specifically tailored for interpreting American Sign Language (ASL), focusing on static gestures excluding dynamic ones like J and Z.
- Utilized OpenCV and MediaPipe libraries to amass a dataset of approximately 300 images for each of the 24 unique hand gestures.
- Implemented meticulous data processing to extract precise hand landmarks and their coordinates, training a Random Forest Classifier model for accurate gesture classification.
- Integrated the trained model into the system, enabling real-time recognition of hand gestures captured by a camera.
- Designed an intuitive graphical interface using Python Tkinter and transformed the system into a standalone executable application using Pyinstaller.
- Overcame challenges by implementing automated gesture capture functionality, streamlining the communication process.

CERTIFICATIONS

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