



KONG SEH CHONG

Software Engineer

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

- **Web Development with React JS:**

- Developed a responsive web applications using React JS and Bootstrap which is user-friendly.
- Utilized React JS libraries and frameworks for flexible and high-performance web development.
- Designed intuitive user interfaces with Bootstrap frameworks 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 Interpreter

- 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)