



Ong Yuan Qin

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OBJECTIVE

An AI engineer with two years of hands-on experience, passionately seeking a challenging role to leverage my expertise in machine learning, natural language processing, computer vision and Large Language Models. Eager to contribute to innovative AI projects and join your team to drive AI-driven solutions and deliver significant impact while continuously advancing my skills in the field.

EDUCATIONAL BACKGROUND

Multimedia University (MMU) (July 2019-July 2022)
Bachelor of Information Technology (Hons)
Major: Artificial Intelligence
CGPA: 3.96

Multimedia University (MMU) (July 2018-July 2019)
Foundation in Information Technology
CGPA: 3.77

WORK EXPERIENCE

Intel Microelectronics (M) Sdn. Bhd. (Oct 2022- Present)
Artificial Intelligence Graduate Trainee

- Collaborating and creating custom AI solutions to more than 4 client teams from different country and match their project goals.
- Enhancing functionalities of an existing smart chatbot platform by implementing and refining features using C#, resulting in a 30% increase in user engagement.
- Conducting researches to explore and adopt new AI techniques for ongoing projects, enhancing project outcomes.
- Involving a fully automated FAQ generator with multiple NLP techniques and increased 30-50 FAQ generation rate per week to over a thousand FAQs weekly, resulting in a 2000% increase in efficiency .
- Creating an engineering keyword mining pipeline with NLP techniques and visualized the keyword mining results with Power Bi.
- Developing solution that allows Large Language Models to understand complex diagrams included table and flowchart with computer vision techniques.
- Training and fine-tuning NLP data augmentation models, significantly expanding the limited training dataset around 500% for Large Language Models.
- Designing and implementing AI benchmarking scenarios, optimizing performance for models developed with various frameworks like OpenVino, PyTorch, and TensorFlow.
- Automating repetitive tasks using Python scripts, streamlining data cleaning processes, and reducing manual workloads by 40%, resulting in a 50% decrease in processing time for data preparation tasks.

Mi Equipment (M) Sdn Bhd - (Mi Technovation) (May 2022-July 2022)
Artificial Intelligence Intern

- Evaluating the viability of a singular AI model for diverse device inspections, specifically focusing on sidewall cracking in dies.
- Improving models based on feedback from global customers to ensure compliance with industry standards and achieving an accuracy rate of more than 98%.
- Conducting model tests and experiments, implementing suitable models on-site servers to validate performance and accuracy.

- Preparing and pre-processing over 20,000 image datasets for model training to ensure accuracy and relevance.
- Creating a Python-based AI defect inspection application, demonstrating to customers from different countries such as Taiwan and US during visits to showcase functionality and potential of the AI defect product.
- Installing and testing AI inspection software on vision machine before dispatching to customers, ensuring seamless integration and functionality.
- Automating the statistical analysis process using Python scripts, streamlining and expediting data analysis for informed decision-making, saving up to 40% of the time typically spent on manual analysis tasks.

SKILLS

Programming: Python, C++, C#, Java, JavaScript, PHP, MySQL, HTML, CSS, Flutter

AI Tools/Frameworks: Pytorch, TensorFlow, OpenVino, Scikit-learn

Software : Git, Visual Studio Code, Visual Studio, Power BI, Android Studio, Microsoft Office

Language : Chinese (Native), English (Fluent), Bahasa Malaysia (Fluent)

RESEARCH PROJECTS

Cow Crossing Detection Alert System

(2022)

Developed a final year project aimed at creating a system utilizing Python, YOLOV3, deep learning, and Raspberry Pi to detect and identify cows while recognizing their distinct sounds. The system is designed to send alerts to subscribed devices, including computers and smartphones, upon detecting cows on roadways.

AWARDS & CERTIFICATIONS

- Huawei Certified ICT Associate-AI

(2021)

- AWS Certified Cloud Practitioner

(2021)

- Dean's List Award for Undergraduate Study

(2019-2022)