BARRY KHAW

FRESH GRADUATE

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📍 Penang, Malaysia

in https://www.linkedin.com/in/barry-khaw-32850a236/

PROFILE

Fresh Grad interest in AI/ML and software development

SKILLS

- Pytorch
- Tensorflow
- Laravel
- Kotlin
- Java
- Flutter
- JavaScript
- TypeScript
- SQL
- C++
- Python
- C#
- MLflow
- fiftyone
- openCV
- BeautifulSoup

EDUCATION

Bachelor of Computer Science (Hons)

UOW Malaysia KDU Penang University College

January 2021 to August 2023

- CGPA: 3.78 (First Class Honours)

Diploma in E.E Engineering

INTI International College Penang

From March 2018 to December 2020

- CGPA: 2.55

LANGUAGES

English

Mandarin

Malay

Hokkien

WORK EXPERIENCE

MLOps Industrial Trainee

Jabil   May 2023 to August 2023

- Optimized API Project Code for efficient production deployment and increase reusability
- Prepared images to train machine learning models.
- Conducted UI and UX design tasks.
- Created view pages and component using Laravel blade, CSS, HTML, bootstrap, javascript
- Create GUI with tkinter and write a straightforward script for converting PDF files into images using python

Property Negotiator

GT Nelson   October 2022 to February 2023

- Create visually appealing presentations, effective communication with clients, sales and negotiation, marketing collateral design, collaboration with teams, and problem-solving in real estate.

Industrial Trainee

TT Vision   January 2020 to March 2020

- Research technique and framework to apply predictive maintenance to inspection machine.

PROJECTS

Smart Tourism Chat-bot

- Automated tourism inquiries in Malaysia by providing quick and rational responses to weather and travel-related queries.
- Utilized Natural Language Processing (NLP) techniques, including tokenization, lemmatization, and word embeddings, to capture input sentence keywords.
- Implemented NLP to enhance the accuracy and efficiency of the inquiry response process.
- Streamlined the tourism inquiry process and enhanced the user experience.

Food Dairy Mobile application

- Utilization of Recycle View for smooth scrolling and optimized memory usage
- Integration of Room as a local database to store and retrieve user data
- Multi-platform support for both mobile phones and tablets
- Use of Google Maps API to display restaurant locations and enable easy navigation

Cross Mobile Application Furniture Store using flutter

- Added AR feature for visualizing furniture using ARCore.
- Used Firebase for user authentication, storage, and database.
- Included YOLOv8 for object detection.
- Implemented a CNN with TensorFlow to assess furniture styles.

Photo Editor with Neural Style Transfer and ESRGAN for Android App

- Integrated neural style transfer and Enhanced Super-Resolution Generative Adversarial Networks (ESRGAN) for advanced photo editing
- Offered both light and dark modes for user preference
- Utilized the OkHttp library to transmit images seamlessly to a server
- Implemented a Flask-based API on the server for image processing
- Neural style transfer algorithm trained on COCO2014 dataset using PyTorch
- ESRGAN implemented and trained on the high-quality DIV2K dataset using PyTorch