Dzulfikri Bin Pysal

Information & Communication Technology

Have experience in software development such as machine learning, computer vision, web application and mobile development. Have a deep passion for software development. Looking to learn fast, adopt new technologies and current system architecture.

Personal Info

FULL NAME
Dzulfikri Bin Pysal

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No 12 Jalan Bandar U11, Taman Bandar Universiti, 32610 Seri Iskandar Perak, Malaysia.

DATE OF BIRTH
4 July 1994 | 25yo

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GitHub
https://github.com/DzulfikriPysal

LinkedIn
www.linkedin.com/in/dzulfikri-pysal

Education

Master of Science (MSc) in Information Technology
Universiti Teknologi Petronas (UTP)
Thesis Title: Classification of Children Drawing Strategies on Touch Surface using Deep Learning

Bachelor of Computer Science (Hons) Software Engineering
Universiti Malaysia Sabah (UMS)
CGPA: 3.04

Matrikulasi
Kolej Matrikulasi Labuan
Science computer

Skills

- Experience in web app development using HTML, CSS, JavaScript, PHP & Django.
- Proficient in Python, C, C++ & Java language.
- Experience of using Keras, TensorFlow, NumPy & Pandas to develop machine learning algorithm.
- Capable to perform computer vision with OpenCV & OpenPose.
- Mobile apps development for Android and iOS using Flutter framework.
- Firebase, MongoDB and MySQL.
- Node.js

Work Experience

- **Srikomputer Sdn. Bhd. (Kota Kinabalu, Sabah)** Internship Student
  (February 2016 to July 2016)
  Responsible to develop food premises grading system for web application by using HTML, CSS and JavaScript. Also, responsible to manage DBKK building plan document.

- **Universiti Teknologi Petronas (Perak, Malaysia)** Graduate Assistant
  (January 2018 to July 2019)
  Working as a tutor for Java programming language.

- **Universiti Teknologi Petronas (Perak, Malaysia)** Special Service
  (October 2018 to September 2018)
  Responsible to develop web application to collect children drawing data. This application develops by using HTML, CSS, and JavaScript. This work under university grant.

Project & Research

Borneo Fungi Management System

- Developing Web application to manage Borneo fungi information. This system has the capabilities to store information and shared among mycologist in Borneo. Other than managing information, this system also able to recognize fungi image and classify the genus. This system is built by using HTML, Django and Keras.

DBKK Food Premises Grading System

- Developing web application for DBKK Sabah to grade food premises in Borneo. This system is used to store the information gather and grade the food premises. Food premises owner will be able to search and view their premises information through this web application. This application is built by using HTML, CSS and JavaScript.

Veterinary Clinic System

- Update and improving web application form and process flow in the system used by vet to manage information of the client pet. Work done by using JavaScript, PHP and MySQL.

UMS Investment

- Assisting in developing landing page for web-based application using HTML, JavaScript and CSS. This work is to replace old landing page used by the UMS Investment web application.

Children Drawing Apps

- Developing web application specifically for iPad or tablet device browser. This application is used to collect children drawing data to used for research. This application develops mainly by using HTML, CSS and JavaScript.

Children drawing Simulator

- Developing web application to simulate children drawing based on data gather. This is used to see the difference strategy used by children when they are drawing on touch device. This application develops mainly by using HTML, CSS and JavaScript.

Children Drawing Strategy Classification

- Developing machine learning algorithm to learn and classify children drawing strategy. The algorithm used for this research is Long Short-Term Memory model with fuzzy logic integrated together. The algorithm is built by using Python, Keras, and TensorFlow.

Vehicle detection to control traffic light

- Developing algorithm to detect and count number of vehicles in road by using Python, OpenCV and Haar Cascade. The traffic light will be change colour to green if there is any available vehicle in the road and red if there is no vehicle. The time for green light on the traffic light will be affected by the number of vehicle available in the road.

Reference

Name: Siti Rohkmah Binti M Shukri
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