Siwakorn Boonpamee

ศิวกรณ์ บุญพามี

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Objective	I am motivated to utilize my knowledge and skills on career, acquire new knowledge and grow together with the career.
About me	Graduated in 2021, Majoring in Computer field. Right now, I am having interests in any kind of Embedded System, Web-App Development, also Machine Learning field, such as Object Classification and Detection. As for my personalities, I considered myself as adaptive, creative, open-minded, tolerant, good interpersonal, and one of the most important is that I am always willing to amend myself.
Skills & Abilities	Language ▪ Thai – Of course, I am a native. ▪ English – Not as good as native, but considerably good. ▪ Capable of many Programming Language, for example, Java, C, C++, Python, JavaScript (Node.js with React.js), Assembly, PHP, SQL. ▪ HTML and CSS Frameworks ▪ some exp of Django ▪ Laravel ▪ Darknet and of Tensor flow ▪ All the well-known Microsoft office suite programs. Others

- Linux
- Jupyter notebook
- Understanding of fundamental Network.
- IOS for cisco devices.
- NumPy, Pandas, Pillow, OpenCV2, Matplotlib.
- Amateur with ROS (Robotic Operation System).
- YOLOv4 and keras
- Adobe XD, Photoshop, Editing with Adobe Premiere Pro.
- Figma for UX/UI design.

Experience

Embedded System and IoT

Mini Project Assignments | 2017 – 2021

- Line tracking Car and RC(Bluetooth) car.
- Wireless Data Communication with CRC via 2 Arduinos.
- Controllable Smart Air purifier with STM32.
- Automated COVID-19 system with FPGA and Arduino.
- LED Matrix with pure gates of FPGA.
- Etc.

Game Development

Project Assignment | 2017 - 2018

- Two 2D shooting game, first, "Rambo", was developed in C++ using SFML library, which was written in Object Oriented methodology, fighting with logical bot.
- Another one is " Asteroid", similar to other Asteroids game, was developed in Java using JavaFX library as GUI.
- Phone Applications with Thinkable and App Inventor(Block coding)

Web Application Development

Group Assignment | 2020

- This Web application was developed with Node.js along with React.js, Then deploy it on GitHub. I did all the backend with a little bit of frontend. The purpose is to present a state-machine simulator of a brewing machine.

Package Management Web Application

Internship | 2020

- Developed a Web-Application about Package management for Engineering faculty during internship, using Laravel framework and MySQL database, and deploy on Windows Server via Microsoft IIS.

Individual and Object Detection on CCTV records

Graduation Project | 2020-2021

- In order to pursue the suspect from a numerous CCTV records, we have developed a program script base on power of YOLOv4 algorithm to help the authorities pursue the individual of interest with less time consumption and resources with individuals' properties such as shirt, bag, backpack, and colour.
- We have trained a YOLOv4 weight to detect properties of individuals in this case shirt and bag were our choices.
- As for the tool, we use Google Colab as Environment Development, Darknet as framework for training weight and OpenCV with Pillow as Python lib for picture manipulation.
- In the main program script was written in Python language and OpenCV2 for running the YOLOv4 weight.

Education | **Praphamontree 2 School**

2002-2017

Graduated from Sci-Math program with GPA of 3.91

King Mongkut Institute of Technology Ladkrabang – Computer Engineering

2017-2021

Graduated in 2021 with cumulative GPA of 3.31.