

GERDPRASERT THANAWIT



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Software Developer and Data Scientist who excel in communication skills for both **Thai, English and Japanese**. Fast Learner and Seeking to improve myself to overcome the challenge.

PERSONAL SKILL:

- **Programming Languages**
 - o Java, JavaScript, C++, CSS, C#, SQL, Python
- **Programming Skill**
 - o Software Pattern, Object-Oriented Programming
- **Web development Skill**
 - o Nodejs, VueJS, AngularJS, MySQL, GatsbyJS, MongoDB
- **Data Science Skill**
 - o Tensorflow, Keras, Alteryx, PyTorch
- **Communication Skill**
 - o Thai, English (TOEIC 945), Japanese (JLPT N2)

EDUCATION:

- **Yothinburana School (Secondary)**
 - o 05/2007 - 04/2014
- **Kasetsart University (Bachelor)**
 - o 07/2014 - 05/2018
- **Yamaguchi University (Master)**
 - o 10/2018 - 10/2020

RESEARCH THEME

My research theme is "**Disease Diagnosis using Deep Learning with Semi-Supervised Approach.**"

Nowadays, Deep Learning has become very popular and influential due to the amount of data that can be accessible. However, unlike common supervised learning algorithm that learns from good-quality data samples, semi-supervised learning makes use of unusable low-quality or unlabeled dataset that lies around to improve deep learning performance. My research focused on applying the semi-supervised approach to the medical data to develop a deep learning framework that improves the performance of disease detection, such as X-ray pneumonia diagnosis.

PERSONAL PROJECT:

- **Stay Tuned** – 2D Platformer from Unity Engine during Global Game Jam Event.
- **CoursingField** – Course Selling E-Commerce using Django.
- **Punton** - Music Player Application with Music Recommendation System using Electron and TensorflowJS
- **Tour Mining Website** –Data Mining the Twitter social network to create the Recommendation System
- **Calorie Partner** - Web application that helps your diet by calculating the food's calories from the picture you've taken by integrating with Object Detection.
- **Covid Scouter** - Crawling Twitter using its API and analyzing them using SentenceBERT to create the Covid-19 Cluster for future prediction and analysis.

EXPERIENCE:

- **CIEE Exchange Student Program** –One year USA High school exchange program.
- **Global Game Jam 2017** – World Wide 3-day Hackathon-style game development event.
- **Exceed Camp** – One-week Programming camp for embedded hardware development
- **PWA Hackathon** – 3-day Hackathon event for progressive web application development
- **Long Term Internship** - Stelligence, Orange Tech Lab, Yamaguchi University, and more.

PUBLICATION:

- **Object Detection for Chest X-ray Image Diagnosis Using Deep Learning with Pseudo Labeling** - 2021 IEEE 12th International Workshop on Computational Intelligence and Applications
- **A study of playlist generation technique for moderate computational resource environment** - Proceedings of the 10th International Conference on Management of Digital EcoSystems
- **Disease Area Detection for Chest X-ray Image Diagnosis Using Deep Learning with Pseudo Labeling (Pending)** - Institute of Electric Engineers of Japan