PATTARATHON NOPWATTANAPONG (KK)

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EDUCATION

10/2019 - 07/2022

BSc. Computer Science, United Kingdom, *University of Warwick*

- **Relevant Modules:** *Machine Learning*, *Web Development*, *Neural Computing*, *Advanced Database*, *Computer Graphics*, *Mobile Robotics*

EXPERIENCES

07/2021- 08/2021

Data Engineer Intern, *Thailand Development Research Institute*

- Use web scraping framework to collect data from websites and store the data in Dataframe. Data such as number of covid-infected rate, death rate, and population rate were collected to be use for another department's research.

- Web scraping framework such as **Scrapy**, **Beautiful Soup**, and **Selenium** were used.

08/2020- 05/2021

Informatic Technology Officer, *Samaggi Samagom*

- Deploy the company's website on AWS with a **single sign-on system** to allows users to go around company's branches websites using just a single account.

- **AWS Lambda** and **AWS SSO** were used for this process. **VueJS** was also used for front-end implementation on the single sign on page.

06/2020- 08/2020

Back End Developer Intern, *Cloudero*

- Migrate database from **MongoDB to PostgreSQL** and then created functions to query data from database. Also deploy mini app into Company's Line Official Account for an easier-to-use User Experience.

- For the back-end implementation and **RestAPIs** usage, **NodeJS** and **SQL** were used. Where the mini-app creation was done purely by **JavaScript** and **APIs from Line Developer**.

SKILLS & ABILITIES

- **Programming Language and Framework:** Python, JavaScript, HTML/CSS, ReactJS, NodeJS, SQL, Java, ThreeJS, Figma
- **Data Science framework and tools:** Pandas, NumPy, Scikit-learn, TensorFlow, Scrapy, Selenium, Beautiful Soup
- **Languages:** Thai (Native), English (IELTS 7.0), Japanese (JLPT N2), Chinese (Beginner)

PROJECTS

*Current
(2022)*

London Restaurants Recommender System, *Machine Learning-Flask-React*

- **Deploy Machine Learning model onto web-application** where the goal is to let user fills in the restaurants they like, and the Machine Learning model will recommend the restaurants for the user. This model will be using a **Content-Based Filtering methods** along with features' weighting implementation.

- The model will be deployed to **Flask's back end and will be connecting to a ReactJS front-end** using basic flask APIs.

2022

ThreeJS Game, *HTML-CSS-ThreeJS-Blender*

- Create a User-Interaction Game on browser using **ThreeJS and Blender**. The game allows user to move left-right to avoid a collision between up-coming cars, where the car-model was created by blender, and can level up as user keep avoiding the cars.

- This project was meant to be first step of creating website with interactable-models for future front-end development projects.

2021

Warwick Thai Society Official Website, *HTML-CSS-ReactJS*

- Create official website for Warwick Thai Society where the goal is to gives future Thai Student a basic idea of how the life of Thai student at Warwick will be like and promote Thai Society at Warwick.

- **HTML**, **CSS**, and **ReactJS** were used to create this website. Where the ReactJS implementation also included **Styled Components** and **Material UI** for a UI Framework to help reduce workload on decorating components.

2021

FerretML, *HTML-CSS-ReactJS*

- Group project where the task is to create a **live-feedback platform** for user to give a comment on their workshop/seminars. The software can decide whether the sentimentally feedback is positive or negative.

- The role assigned was **Front-End Developer** which **ReactJS and Material UI** were used for implementing feedback dashboard. **GraphQL** were used as a database system which connect directly to the front-end.

AWARDS AND ACHIEVEMENTS

12/2020

Top 10 Finalist Zero to One Start Up Competition,

Thailand, ***Young Entrepreneur Assembly Hub***

- Create a Business Model Canvas and Pitch the Ideas along with PowerPoint Presentation

*10/2019 –
07/2020*

Head of Marketing,

United Kingdom, ***Warwick Thai Society***

- Manage and Promote Society's Event using tools such as Adobe Photoshop to create posters