Noppadol Assavakamhaenghan

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Education

Nara Institute of Science and Technology   *Nara, Japan*

M.S. IN INFORMATION SCIENCE (RECEIVED A MONBUKAGAKUSHO SCHOLARSHIP) GPAX:3.50/4.00   *Oct. 2020 – Ongoing*

Mahidol University   *Nakhon Pathom, Thailand*

B.S. IN INFORMATION AND COMMUNICATION TECHNOLOGY (GRADUATED WITH FIRST-CLASS HONOURS) GPAX:3.89/4.00   *Aug. 2016 – May. 2020*

Experience

Data Analyst Intern - Evaluation System   *Kyoto, Japan*

SENSETIME JAPAN LTD.   *April. 2022 – Ongoing*

- Researched and developed an evaluation system for the image recognition model.
- Analyzed and identified how to improve the performance of the existing image recognition model.
- Proposed and developed an automatic evaluation service for comparing the performance of the image recognition model.
- Utilized Scrum with a team of 7 developers to develop the service and present it to the client.
- My evaluation service reduced the time it takes for model performance improvement.

Research Assistant - Chatbot   *Nara, Japan*

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY   *Feb. 2021 – Ongoing*

- Implemented machine learning for text classification using TensorFlow.
- Designed and Implemented the infrastructure of the Chatbot system.
- Lead the team of 4 graduate students in this project.
- Contributed to integrating the Chatbot system to Google Home.

Graduate Student - Code Review   *Nara, Japan*

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY   *Oct. 2020 – Ongoing*

- Studied related research on code review.
- Prepossessed big data using PySpark.
- Performed sentiment analysis of the textual information (e.g. code review comment.)
- Designed hypotheses and performed statistical analysis.
- Used scikit-learn to build a machine learning model for future contribution prediction.
- This work was published as "Does the first-response matter for future contributions? A study of first contributions." in MSR2021.

Undergraduate Student - Software Team Recommendation   *Nakhon Pathom, Thailand*

MAHIDOL UNIVERSITY   *Aug. 2016 – May. 2020*

- Collected software development process data from JIRA issue Tracker API.
- Managed data using MySQL.
- Used scikit-learn to build a machine learning model for team performance prediction.
- Designed and implemented the script for the team recommendation algorithm.
- Lead the team of 3 undergraduate students in this project.
- This work was published as "Towards Team Formation in Software Development: A Case Study of Moodle" in ECTI-CON2020 and "Automatic Team Recommendation for Collaborative Software Development" in EMSE2021 (Q1.)

International Research Internship Student - Software Engineering Laboratory   *Nara, Japan*

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY   *Jun. 2019 – Aug. 2019*

- Collected software development process data from JIRA issue Tracker API.
- Managed data using MySQL.
- Performed analysis of the collected data and created visualizations.
- This work was published as "Software Team Member Configurations: A Study of Team Effectiveness in Moodle" in IWESEP2019.

Skills

Data Science	Python (pandas, PySpark, TensorFlow, and scikit-learn), Data Mining, Statistical Analysis, Visualization, Machine Learning
Technologies	Database (SQL and MySQL), Website Development (Node.js, Django), Java Programming
Languages	Thai (Native), English (TOEIC IP:925)