Noppadol **Assavakamhaenghan**

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Education

Nara Institute of Science and Technology — *Nara, Japan*

M.E. 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:3.90/4.00 — *Aug. 2016 – May. 2020*

Experiences

Data Analyst Intern - Evaluation System — *Kyoto, Japan*

SenseTime Japan Ltd. — *April. 2022 – June. 2022*

- 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 using Python with Docker and GitLab
- 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 – June. 2022*

- 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.

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

Nara Institute of Science and Technology — *Jun. 2019 – Aug. 2019*

- The work from this internship was published as ”Software Team Member Configurations: A Study of Team Effectiveness in Moodle” in IWESEP2019.
- Collected and performed analysis on software development process data from JIRA issue Tracker API.

Projects

Master Thesis - Code Review Analysis — *Nara, Japan*

Nara Institute of Science and Technology — *Oct. 2020 – Ongoing*

- This work was published as ”Does the first-response matter for future contributions? A study of first contributions.” in MSR2021.
- Prepossessed big data using PySpark and SQL.
- 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.

Bachelor Thesis - Software Team Recommendation — *Nakhon Pathom, Thailand*

Mahidol University — *Aug. 2016 – May. 2020*

- 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.)
- Extracted features and used scikit-learn to build a machine learning model for team performance prediction and designed the team recommendation algorithm.
- Lead the team of 3 undergraduate students in this project.

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, Docker, Git, CI/CD
Languages	Thai (Native), English (TOEIC IP:925)