

# Noppadol Assavakamhaenghan

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## Education

### Nara Institute of Science and Technology

M.E. IN INFORMATION SCIENCE (RECEIVED A MONBUKAGAKUSHO SCHOLARSHIP) GPAX:3.50/4.00

Nara, Japan

Oct. 2020 – Sep. 2022

### Mahidol University

B.S. IN INFORMATION AND COMMUNICATION TECHNOLOGY (GRADUATED WITH FIRST-CLASS HONOURS) GPAX:3.90/4.00

Nakhon Pathom, Thailand

Aug. 2016 – May. 2020

## Experiences

### Data Analyst Intern - Evaluation System

SENSETIME JAPAN LTD.

Kyoto, Japan

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 INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

Feb. 2021 – June. 2022

- Implemented machine learning for text classification using TensorFlow.
- Designed and Implemented the infrastructure of the Chatbot system.
- Led 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 INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

Jun. 2019 – Aug. 2019

- The work from this internship was published as "Software Team Member Configurations: A Study of Team Effectiveness in Moodle" in IWE-SEP2019.
- Collected and performed analysis on software development process data from JIRA issue Tracker API.

## Projects

### Master Thesis - Code Review Analysis

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

Oct. 2020 – Sep. 2022

- This work was published as "Does the first-response matter for future contributions? A study of first contributions." in MSR2021.
- Preprocessed 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

MAHIDOL UNIVERSITY

Nakhon Pathom, Thailand

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.
- Led the team of 3 undergraduate students in this project.

## Skills

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