

# Noppadol Assavakamhaenghan

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## Education

### Nara Institute of Science and Technology

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

Nara, Japan

Oct. 2020 – Ongoing

### Mahidol University

B.S. IN INFORMATION AND COMMUNICATION TECHNOLOGY (GRADUATED WITH FIRST-CLASS HONOURS) GPAX:3.89/4.00

Nakhon Pathom, Thailand

Aug. 2016 – May. 2020

## Experience

### Data Analyst Intern - Evaluation System

SENSETIME JAPAN LTD.

Kyoto, Japan

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 significantly reduced the time it takes for model performance improvement by 74%.

### Research Assistant - Chatbot

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

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.

### Research Assistant - Code Review

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

Oct. 2020 – Ongoing

- Studied related research on code review.
- Preprocessed big data using PySpark.
- Performed sentiment analysis of the textual information (e.g. code review comment.)
- Designed hypotheses and performed statistical analysis
- This work was published as "Does the first-response matter for future contributions? A study of first contributions." in MSR2021.

### International Research Internship Student - Software Engineering Laboratory

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

Jun. 2019 – Aug. 2019

- Collected software development process data from JIRA issue Tracker.
- 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.

### Research Assistant - Software Team Recommendation

MAHIDOL UNIVERSITY

Nakhon Pathom, Thailand

Aug. 2016 – May. 2020

- Collected software development process data from JIRA issue Tracker.
- 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.)

## 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)

## Selected Publication

### Journal Articles

- Tuarob,S. ,**Assavakamhaenghan,N.**, Tanaphantaruk, W.,Suwanworaboon, P.,Hassan,S.-U.,& Choetkiertikul,M. (2021). Automatic team recommendation for collaborative software development. Empirical Software Engineering, 26(4), 64. doi:10.1007/s10664-021-09966-4