

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

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 graduates 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 researches 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 Team Research

NARA INSTITUTE OF SCIENCE AND TECHNOLOGY

Nara, Japan

Jun. 2019 – Aug. 2019

- Collected software development process data from JIRA issue Tracker.
- Performed an analysis on 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 undergraduates 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)

Publications

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

Conference Proceedings

- **Assavakamhaenghan,N.**, Wattanakriengkrai,S., Shimada,N., Kula,R.G., Ishio,T.,& Matsumoto, K. (2021). Does the first-response matter for future contributions? A study of first contributions. In 18th IEEE/ACM international conference on mining software repositories (msr2021). arXiv:2104.02933. Retrieved from <https://arxiv.org/abs/2104.02933>
- **Assavakamhaenghan,N.**, Suwanworaboon,P., Tanaphantaruk,W., Tuarob,S.,& Choetkiertikul,M. (2020). Towards team formation in software development: A case study of moodle. In 2020 17th international conference on electrical engineering/electronics, computer, telecommunications and informationtechnology (ecti-con) (pp.157–160). doi:10.1109/ECTI-CON49241.2020.9158078
- **Assavakamhaenghan,N.**, Choetkiertikul,M., Tuarob,S., Kula,R.G., Hata,H., Ragkhitwetsagul,C., Sunetnanta,T.,& Matsumoto,K. (2019). Software team member configurations: A study of team effectiveness in moodle. In 2019 10th international workshop on empirical software engineering in practice (iwesep) (pp.19–195). doi:10.1109/IWESep49350.2019.00012