

Patomporn Payoungkhamdee

PHD STUDENT

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Research Interests

Multilingual Reasoning and Tool-Integrated Reasoning for Complex Problems

Education

Vidyasirimedhi Institute of Science and Technology (VISTEC)

DOCTOR OF PHILOSOPHY PROGRAM IN INFORMATION SCIENCE AND TECHNOLOGY

2021 - present

- Advisor: Assoc. Prof. Sarana Nutanong

Mahidol University

MASTER OF SCIENCE IN PHYSICS

2018 - 2020

- Advisor: Asst. Prof. Warit Mitthumsiri

Mahidol University

BACHELOR OF SCIENCE IN PHYSICS (FIRST CLASS HONORS)

2014 - 2017

- Advisor: Asst. Prof. Warit Mitthumsiri

Selected Publications

Payoungkhamdee, P., Tuchinda, P., Baek, J., Cahyawijaya, S., Udomcharoenchaikit, C., Manakul, P., Limkonchotiwat, P., Chuangsuwanich, E., Nutanong, S. (2025). Towards Better Understanding of Program-of-Thought Reasoning in Cross-Lingual and Multilingual Environments. Findings of the Association for Computational Linguistics: ACL 2025.

Payoungkhamdee, P., Limkonchotiwat, P., Baek, J., Manakul, P., Udomcharoenchaikit, C., Chuangsuwanich, E., Nutanong, S. (2024). An Empirical Study of Multilingual Reasoning Distillation for Question Answering. In Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (pp. 7739–7751). Association for Computational Linguistics.

Udomcharoenchaikit, C., Ponwitararat, W., **Payoungkhamdee, P.**, Masuk, K., Buaphet, W., Chuangsuwanich, E., & Nutanong, S. (2022). Mitigating Spurious Correlation in Natural Language Understanding with Counterfactual Inference. In Proceedings of the 2022 Conference on Empirical Methods in Natural Language Processing (pp. 11308–11321). Association for Computational Linguistics.

Voluntary Service

2026 **Mentor in SEACrowd 2026 Apprentice**, Multilingual Agentic for Underrepresented Regions

2025-2026 **Reviewer of ARR**, (ACL Rolling Review)

Professional Experience

January - June 2026 **Visiting Scholar, on-policy multilingual distillation**, AI Singapore

2020-2021 **Data Scientist**, Backyard

2020 **Data Scientist**, Listenfield

2019 **Summer Student at Data Quality Monitoring (CMS)**, CERN

2018 **Developer (Part-time)**, Divertise Asia

2017 **Research Internship**, Department of Physics, University of Pisa