Shin Yamaguchi

Master's Student, Natural Language Processing Laboratory
Nara Institute of Science and Technology

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Education

Nara Institute of Science and Technology Apr 2026 – Present

Master's program, Division of Information Science
Graduate School of Science and Technology

Shizuoka University Apr 2022 – Mar 2026

Bachelor of Informatics
Department of Computer Science, Faculty of Informatics

Research Experience

Researcher Apr 2026 – Present

Nara Institute of Science and Technology
Research activities related to "Synthetic Corpus Studies for Linguistic Research"

Research Interests

Computational psycholinguistics and language acquisition;
transferability and learnability of language models.

International Conference Papers

P1. **Shin Yamaguchi**, Masaya Taniguchi, Tatsuki Kuribayashi, Taro Watanabe, and Yoshinobu Kano. 2026.

Once a Tree, Always a Tree? Cross-lingual Transfer of Hierarchical Generalization in Language Models.

In *Proceedings of the 2026 Conference on Empirical Methods in Natural Language Processing* (EMNLP 2026), pp. 60982–60998. Budapest, Hungary, Oct 2026. Association for Computational Linguistics. Main Conference, Long Paper.

DOI: 10.18653/2026.emnlp-main.2682.

Honors and Awards

ELYZA Award Sep 2025

20th Symposium of Young Researchers in Natural Language Processing (YANS 2025).
Awarded to the work listed as D2.

YANS Organizing Committee Special Award Sep 2024

Interdisciplinary Hackathon, 19th Symposium of Young Researchers in Natural Language Processing (YANS 2024).

Domestic Conference Presentations

D1. **山口 真**, 片岩拓也, 狩野芳伸.
Does Learning Order Affect Transfer Performance and Internal Representations in Multilingual Continual Pretraining?*
多言語継続事前学習において、学習順序は転移性能と内部表現に影響するのか？
20th Symposium of Young Researchers in Natural Language Processing (YANS 2025), Sep 2025.

D2. 齊藤遼太, 片岩拓也, **山口 真**, 狩野芳伸, 大木哲史.
Evaluating the Scalability of LLM-Based Decompilation Using Source Code Obfuscation.*
LLM によるデコンパイルにおけるソースコード難読化を活用したスケーラビリティの評価
20th Symposium of Young Researchers in Natural Language Processing (YANS 2025), Sep 2025.
ELYZA Award.

D3. **山口 真**, 狩野芳伸.
Japanese Aspect-Based Sentiment Analysis Using Graph Convolutional Neural Networks Incorporating Dependency Trees.*
係り受け木を考慮するグラフ畳み込みニューラルネットワークによる日本語アスペクトベース感情分析
31st Annual Meeting of the Association for Natural Language Processing (NLP 2025), Mar 2025.

D4. **山口 真**, 齊藤遼太, 加瀬裕貴, 青木徹.
Investigating Optimal AR Subtitle Designs for Notifying Deaf and Hard of Hearing Users of Sounds Beyond the Visual Field.
視野外からの音声に対する最適な字幕表示手法の調査
ITE Winter Annual Convention 2024, Dec 2024.

D5. **山口 真**, 河口欣仁, 加瀬裕貴, 青木徹.
Gaze Data Visualization Methods for Providing Appropriate AR Learning Experiences.
適切な AR 学習体験を提供するための視線データ可視化手法
ITE Winter Annual Convention 2023, Dec 2023.