Satoru Ozaki

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Education

PhD	**University of Massachusetts, Amherst** (2022–present), Amherst, MA, USA	
	Linguistics	
MS	**Carnegie Mellon University** (2020–2022), Pittsburgh, PA, USA	
	Language Technologies	
BA	**Carnegie Mellon University** (2016–2020), Pittsburgh, PA, USA	
	Linguistics, with University and College Honors	
	Thesis: *Dependent case in Japanese*	
	Minors: Computer Science, Swedish (at University of Pittsburgh)	

Work experience

Jul 2023 **Visiting student/researcher**
~ Aug 2023 *Language Computational Cognitive Science Laboratory, the University of Tokyo, Tokyo, Japan*
With Yohei Oseki.

Jun 2022 **Visiting student/researcher**
~ Aug 2022 *Language Computational Cognitive Science Laboratory, the University of Tokyo, Tokyo, Japan*
With Yohei Oseki.

Sep 2020 **Graduate research fellow**
~ May 2022 *Language Technologies Institute, Carnegie Mellon University, Pittsburgh, PA, USA*
With Eric Nyberg.

Publications

Proceeding papers of conferences with refereed abstracts

To appear. **Satoru Ozaki.** "A phonotactic-tonotactic grammar or Tokyo Japanese that clusters by lexical strata offers a good trade-off between model size and likelihood." *Proceedings of the Linguistic Society of America (PLSA)* 9(1).

Refereed conference papers

2023   **Satoru Ozaki**, Yohei Oseki. "CANDS: A Computational Implementation of Collins and Stabler (2016)." *Proceedings of the Society for Computation in Linguistics (SCiL) 2023.* Association for Computational Linguistics.

https://doi.org/10.7275/908h-3s86

2022   **Satoru Ozaki**, Dan Yurovsky, and Lori Levin. "How well do LSTM language models learn filler-gap dependencies?" *Proceedings of the Society for Computation in Linguistics (SCiL) 2022.* Association for Computational Linguistics.

https://doi.org/10.7275/414y-1893

2021   Kaixin Ma, Filip Ilievski, Jonathan Francis, **Satoru Ozaki**, Eric Nyberg, and Alessandro Oltramari. "Exploring Strategies for Generalizable Commonsense Reasoning with Pre-trained Models." *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP).* Association for Computational Linguistics.

https://dx.doi.org/10.18653/v1/2021.emnlp-main.445

2020   Xingyuan Zhao, **Satoru Ozaki**, Antonios Anastasopoulos, Graham Neubig, and Lori Levin. "Automatic Interlinear Glossing for Under-Resourced Languages Leveraging Translations." *Proceedings of the 28th International Conference on Computational Linguistics (COLING).* International Committee on Computational Linguistics.

https://dx.doi.org/10.18653/v1/2020.coling-main.471

Naoki Otani, **Satoru Ozaki**, Xingyuan Zhao, Yucen Li, Micaelah St Johns, and Lori Levin. "Pre-tokenization of Multi-word Expressions in Cross-lingual Word Embeddings." *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP).* Association for Computational Linguistics.

https://dx.doi.org/10.18653/v1/2020.emnlp-main.360

Presentations

Refereed conference presentations

2024   A phonotactic/tonotactic grammar for Tokyo Japanese that clusters by lexical strata does not overfit. *2024 Annual Meeting of the Linguistic Society of America (LSA).*

2020   Dependent case in Japanese. *14th Cornell Undergraduate Linguistics Colloquium (CULC14).*

Non-refereed conference presentations

2024   What kind of object does the elided VP contain if the antecedent VP does? *ECO-5 @ UMass.*

2023   Binding of degree pronouns. *ECO-5 @ UConn.*

Invited talks

2022   Comparing LSTM language models' acquisition of English filler-gap dependencies across constructions. *Computational Psycholinguistics Tokyo.*

Original title in Japanese: LSTM 言語モデルによる英語の filler-gap dependency の獲得における通構文的比較

Teaching

University of Massachusetts, Amherst

- **Teaching assistant**, LING 409

  Introduction to Computational Linguistics: Fall 2023
- **Teaching assistant**, LING 150

  Language Through Time (Gen Ed; introductory historical linguistics): Spring 2024

Carnegie Mellon University

- **Teaching assistant**, 80-280

  Linguistic Analysis (introductory syntax): Spring 2020
- **Teaching assistant**, 80-180

  Nature of Language (introductory linguistics): Fall 2019
- **Teaching assistant**, 15-213

  Introduction to Computer Systems: Spring 2018, Fall 2018, Spring 2019

Other education

2023 **Linguistic Society of America 2023 Summer Institute**

University of Massachusetts, Amherst

2021 **Eastern Generative Grammar 2021**

Online

Skills

Natural languages Mandarin Chinese (native), Japanese (native), English (fluent), Swedish (hopefully B2)

Programming languages Rust ($\heartsuit$), Python (pytorch, numpy, jax), C