Katherine J. Zhang

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Pittsburgh, PA 15232

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Education

M.A., Global Communication & Applied Translation, Carnegie Mellon University, 2021 (expected).

B.A., Linguistics & Chinese Studies, University Honors, Carnegie Mellon University, 2019.

Publications

Journal Articles

[1]   Hyunji Hayley Park, **Katherine J. Zhang**, Coleman Haley, Kenneth Steimel, Han Liu, and Lane Schwartz. "Morphology Matters: A Multilingual Language Modeling Analysis". In: *Transactions of the Association for Computational Linguistics* 9 (2021), pp. 261–276. ISSN: 2307-387X. DOI: 10.1162/tacl_a_00365.

Reports

[2]   Lane Schwartz, Francis Tyers, Lori Levin, Christo Kirov, Patrick Littell, Chi-kiu Lo, Emily Prud'hommeaux, Hyunji Hayley Park, Kenneth Steimel, Rebecca Knowles, Jeffrey Micher, Lonny Strunk, Han Liu, Coleman Haley, **Katherine J. Zhang**, Robbie Jimerson, Vasilisa Andriyanets, Aldrian Obaja Muis, Naoki Otani, Jong Hyuk Park, and Zhisong Zhang. *Neural Polysynthetic Language Modelling*. Tech. rep. May 2020. arXiv: 2005.05477 [cs.CL].

Posters & Presentations

[3]   Coleman Haley, Hyunji Hayley Park, Kenneth Steimel, Lonny Strunk, and **Katherine J. Zhang**. "Morphological analysis with Finite-State Transducers". Summer School on Human Language Technology (Montréal, QC). June 2019. URL: https://github.com/ColemanHaley/JSALT2019-FST-lab.

[4]   **Katherine J. Zhang**. "A cross-linguistic comparison of the L2 acquisition of VOT contrasts". Berkeley Undergraduate Linguistics Symposium (Berkeley, CA). Dec. 2018.

[5]   **Katherine J. Zhang**. "How Learners of French and Mandarin Produce Stop Consonants in Each Language". Dietrich Undergraduate Colloquium (Pittsburgh, PA). Oct. 2018.

Teaching

Assistant

80-180 Nature of Language, Fall 2017–Spring 2020.

11-423/-623/-823 Conlanging, Spring 2020–Spring 2021.

11-324/-624/-724 Human Language for Artificial Intelligence, Fall 2019.

Summer Academy for Math and Science, Summer 2018.

Grader

80-285/-785 Natural Language Syntax, Spring 2021.

Honors & Awards

Phi Beta Kappa Honor Society, inducted 2019.

Phi Sigma Iota Honor Society, inducted 2019.

Carnegie Scholarship ($13,000/year), 2015–2019.

Dietrich College Study Abroad Scholarship ($1,500), 2017.

National Merit Scholarship ($2,000), 2015.

Skills

Languages

English (native).

Mandarin Chinese (heritage, advanced).

French (advanced).

Computer

Python.

HTML & CSS.

Git.

Last updated: August 20, 2021.