NAOMI TACHIKAWA SHAPIRO

CONTACT

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EDUCATION

Ph.D., Computational Linguistics, *anticipated December 2022*
University of Washington

— Visiting Student Researcher at Stanford University, Autumn 2019

M.S., Symbolic Systems, 2016
Stanford University

B.A., Linguistics and Communication with Honors, 2011
University of Washington

PAPERS

Naomi Tachikawa Shapiro, Amandalynne Paullada, and Shane Steinert-Threlkeld. In press. A multilabel approach to morphosyntactic probing. *Findings of the Association for Computational Linguistics: EMNLP 2021.* (Preprint: *arXiv:2104.08464*)

Naomi Tachikawa Shapiro, Daniel Hippe, and Naja Ferjan Ramírez. 2021. How chatty are daddies? An exploratory study of infants' language environments. *Journal of Speech, Language, and Hearing Research, 64*(8), 3242–3252.

Naomi Tachikawa Shapiro and Arto Anttila. 2021. On the phonology and semantics of deaccentuation. *Proceedings of the 2020 Annual Meeting on Phonology* (AMP).

Naja Ferjan Ramírez, Daniel Hippe, and Naomi Tachikawa Shapiro. 2021. Exposure to electronic media between 6 and 24 months of age: An exploratory study. *Infant Behavior and Development, 63*, 101549.

Arto Anttila, Timothy Dozat, Daniel Galbraith, and Naomi Tachikawa Shapiro. 2020. Sentence stress in presidential speeches. In Gerrit Kentner and Joost Kremers (eds.), *Prosody in Syntactic Encoding* (pp. 17–50). De Gruyter.

Arto Anttila and Naomi Tachikawa Shapiro. 2017. The interaction of stress and syllabification: Parallel or serial? *Proceedings of the 34th West Coast Conference on Formal Linguistics* (WCCFL), 52–61.

Naomi Tachikawa Shapiro. 2016. Splitting compounds with ngrams. *Proceedings of the 26th International Conference on Computational Linguistics: Technical Papers* (COLING), 630–640.

PRESENTATIONS + POSTERS

Naja Ferjan Ramírez, Daniel Hippe, and Naomi Tachikawa Shapiro. 9 April 2021. Exposure to electronic media between 6 and 24 months of age: An exploratory study. *Society for Research in Child Development Biennial Meeting* (SRCD), *Virtual.*

Naomi Tachikawa Shapiro, Amandalynne Paullada, and Shane Steinert-Threlkeld. 20 November 2020. Mighty morpho-probing models. *The 3rd BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP* (BlackboxNLP; extended abstract), *Virtual.*

Naomi Tachikawa Shapiro, Daniel Hippe, and Naja Ferjan Ramírez. 6 November 2020. How chatty are daddies? Parental differences in the language environments of infants. *The 45th Boston University Conference on Language Development* (BUCLD), *Virtual.*

Arto Anttila and Naomi Tachikawa Shapiro. 18 September 2020. Invited tutorial: Corpus studies in phrasal prosody. *Workshop on Intonation, Annual Meeting on Phonology* (AMP), *UC Santa Cruz.*

Emily Atkinson, Ian Rigby, Naomi Tachikawa Shapiro, Brent Woo, and Akira Omaki. 17 March 2018. Syntactic adaptation effects do not transfer across tasks. *CUNY Conference on Human Sentence Processing, UC Davis.*

Naomi Tachikawa Shapiro. 23 May 2016. A language modeling and constraint-based approach to compound segmentation. *Symbolic Systems Forum, Stanford University.*

Naomi Tachikawa Shapiro. 8 April 2016. Finnish compound segmentation. *Phonetics and Phonology Workshop, Linguistics Department, Stanford University.*

INDUSTRY

Summer Associate, RAND Corporation, 6/2020 – 9/2020
Worked on supervised and weakly supervised methods for text classification.

Backend Engineer, Venyooz, 6/2014 – 12/2014; 2/2017 – 9/2017
Built the beta version of *SchoolSpace*, web-based software for school districts to manage facility rentals.

Production Engineer, Wavii (acquired by Google in 2013), 3/2012 – 3/2013
Managed the text and image content on the frontend of a news aggregator app. Annotated news snippets for genre, named entities, and predicate relations.

RESEARCH ASSISTANTSHIPS

Phonetics Lab + Language Development & Processing Lab, University of Washington, 12/2020 – 3/2021
PIs: Richard Wright and Marina Oganyan
Analyzed visual word eye-tracking data to study the effects of sonority and salience on the perception of novel consonant clusters.

Language Development & Processing Lab, University of Washington, 12/2019 – 3/2020; 9/2020 – 12/2020
PI: Naja Ferjan Ramírez
Used mixed-effects linear regression to analyze Language ENvironmental Analysis (LENA) recordings. Focused on infant volubility and its associations with parental speech and electronic media exposure.

Language Development & Processing Lab, University of Washington, 9/2017 – 3/2018
PI: Akira Omaki
Studied filler-gap dependencies and syntactic adaptation with adults via reading-based eye-tracking experiments. Investigated how children process verb-complement ambiguities with children using the visual world paradigm.

Linguistics Department, Stanford University, 1/2015 – 9/2015; 6/2016 – 12/2017
PI: Arto Anttila
Investigated Finnish phonotactics and English sentential prosody via computational and information-theoretic approaches. Created the Python package *FinnSyll* for the automatic syllabification of Finnish.

TEACHING

University of Washington
— Instructor of Record, LING 599 Linguistics Proseminar, 2021–2022 Academic Year
— Lead Teaching Assistant, Department of Linguistics, 2021–2022 Academic Year
— Instructor of Record, LING/CSE 472 Introduction to Computational Linguistics, Spring 2021
— Teaching Assistant, LING 200 Introduction to Linguistic Thought, Spring 2020
— Teaching Assistant, LING 200 Introduction to Linguistic Thought, Spring 2018

Girls Who Code
— Lead Instructor, Summer Immersion Program in Redmond, WA, Summer 2019

Stanford University
— Teaching Assistant, SYMSYS 100 Minds and Machines, Autumn 2015

AWARDS

Excellence in Linguistics Research Graduate Fellowship, 2021–2022

Eero and Helli Tetri Endowed Fund for Finnish Studies Scholarship, 2019

Foreign Language and Area Studies (FLAS) Fellowship – Modern Hebrew, 2018–2019

SERVICE

President, Linguistics Society at the University of Washington (LSUW), 2020–2021

Faculty Search Committee (Language Acquisition and Morphosyntactic Processing), Linguistics Department, University of Washington, 2019-2020

Admissions Reading Committee, Symbolic Systems M.S. Program, Stanford University, 2016

Reviewer
— The Conference on Empirical Methods in Natural Language Processing (EMNLP), 2021
— The Annual Meeting of the Association for Computational Linguistics (ACL), 2021
— The International Conference on Computational Linguistics (COLING), 2018
— The University of Washington Working Papers in Linguistics (UWWPL), 2020

LANGUAGES

English (native), Modern Hebrew (intermediate), Japanese (beginner-intermediate), Finnish (research)

CODE

— *Languages*: Python, R, JavaScript, Ruby, HTML/CSS
— *Deep learning libraries*: PyTorch, Keras, TensorFlow (coursework)
— *Web frameworks*: Django, Flask, Node.js (coursework), Rails
— *Databases*: PostgreSQL, MongoDB (coursework)