NAOMI TACHIKAWA SHAPIRO

CONTACT

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RESEARCH

Natural language processing, computational linguistics, psycholinguistics, syntax, phonology

EDUCATION

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

— **Visiting Student Researcher**, Autumn 2019
Stanford University

M.S., **Symbolic Systems**, 2016
Stanford University

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

CURRENT PROJECTS

in **NLP**: Researching deep learning methods for incorporating morphological analysis into Modern Hebrew language models.

in **Phonology**: Designing a theory-driven computational model of Finnish syllabification.

in **Psycholinguistics**: Investigating how children process verb argument ambiguities in English sentences.

PAPERS

Anttila, A., Dozat, T., Galbraith, D., & **Shapiro**, **N. T.** To appear. Sentence stress in presidential speeches. In G. Kentner and J. Kremers (eds.), *Prosody in Syntactic Encoding*, special issue of *Linguistische Arbeiten*.

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

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

TALKS

Atkinson, E., Rigby, I., **Shapiro**, **N. T.**, Woo, B., & Omaki, A. Syntactic adaptation effects do no transfer across tasks. *CUNY Conference on Human Sentence Processing. UC Davis.* 17 March 2018.

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

Shapiro, **N. T.** Finnish compound segmentation. *Phonetics and Phonology Workshop, Department of Linguistics, Stanford University.* 8 April 2016.

RESEARCH ASSISTANT

to **Akira Omaki**, 09/2017 – 03/2018
Language Development & Processing Lab, University of Washington
Studied human syntactic adaptation, filler-gap dependencies, and structural ambiguity through eye-tracking experiments and corpus analysis.

RESEARCH ASSISTANT (CONT'D)

to **Arto Anttila**, 01/2015 – 09/2015; 06/2016 – 12/2017
Department of Linguistics, Stanford University
Investigated Finnish and English phonotactics and metrical phonology via computational and information-theoretic approaches. Created the Python package *FinnSyll* for automatic syllabification and compound segmentation in Finnish. Designed and built websites for collecting annotations.

TEACHING

Lead Instructor for the **Summer Immersion Program**, Summer 2019
Girls Who Code, Inc.

TA for **LING 200 Introduction to Linguistic Thought**, Spring 2018
University of Washington. Instructor: Laura McGarrity.

TA for **100 Minds and Machines**, Autumn 2015
Stanford University. Instructors: Daniel Lassiter, Thomas Icard.

TA for **Python Web Development**, Summer 2014
Code Fellows, LLC. Instructor: Cris Ewing.

INDUSTRY

Backend Engineer, 6/2014 – 12/2014; 2/2017 – 9/2017
Venyooz, Inc., Los Angeles, CA
Developed the backend of *SchoolSpace*, web-based software for school districts to manage facility rentals, payment processing, and event calendaring.

Production Engineer, 3/2012 – 3/2013
Wavii, Inc., Seattle, WA (acquired by Google in 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.

AWARDS

Eero and Helli Tetri Endowed Fund for Finnish Studies Scholarship
2019-2020 Academic Year

Foreign Language and Area Studies (FLAS) Fellowship – Modern Hebrew
2018-2019 Academic Year

CODE

Python, JavaScript, Ruby, HTML/CSS, Django, Flask, Node.js, Rails, Git, SQL, PyTorch, Keras

LANGUAGES

English (Native), Japanese (Intermediate), Modern Hebrew (Intermediate)