NAOMI TACHIKAWA SHAPIRO

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

EDUCATION
Ph.D., **Computational Linguistics**, *in progress*
University of Washington

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

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

CURRENT PROJECTS
In NLP: Researching deep learning methods for incorporating morphological analysis in Modern Hebrew language models.

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.

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 ASSISTANT	**LING 200 Introduction to Linguistic Thought**, Spring 2018 University of Washington. Instructor: Laura McGarrity. **SYMSYS 100 Minds and Machines**, Autumn 2015 Stanford University. Instructors: Daniel Lassiter, Thomas Icard. **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
SERVICE	Reviewer, *International Conference on Computational Linguistics* (COLING), 2018
CODE	Python, JavaScript, Ruby, HTML/CSS, Django, Flask, Node.js, Rails, Git, SQL, TensorFlow, Keras
LANGUAGES	English (Native), Japanese (Intermediate), Modern Hebrew (Intermediate)