

Cheyenne Wing

Personal Information

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I am an NSF Graduate Research Fellow pursuing a PhD in Computational Linguistics and an MS in Human Language Technology. I will be completing my MS this coming spring and advancing to PhD candidacy shortly after.

Education

Expected 2023 Ph.D. in Linguistics. Major: Computational Linguistics.
University of Arizona.

Expected 2022 M.S. in Linguistics. Major: Human Language Technology.
University of Arizona.

2020 M.A. in Linguistics. Major: Native American Languages and Linguistics
University of Arizona.

2018 B.A. in TESOL (Teaching English to Speakers of Other Languages).
Magna Cum Laude.
Brigham Young University-Hawaii.

Research Experience

NSF Graduate Research Fellow 08/2020 - present
National Science Foundation
-researching NLP for less-resourced and endangered languages for purposes of language preservation.

Visiting Researcher 05/2020 - 9/2020
Carnegie-Mellon University, Language Technologies Institute
-Participated in a collaborative effort to write Python scripts to extract and parse data from the Tohono O'odham-English Dictionary.
-Collected parallel Tohono O'odham-English sentences from multiple resources to begin training MT model.

Graduate Student Researcher 01/2020-05/2020
University of Arizona, Department of Computer Science & Department of Linguistics
- Working with a group of researchers from UArizona and Purdue to develop a web application to house audio, video, and text provided by the Coeur D'Alene tribe.

Graduate Research Assistant 08/2019 - 01/2020
University of Arizona, Department of Linguistics
- Examined microfilms digitized by the Smithsonian Institution.
- Identified valuable and accurate Mutsun language usage.

Curriculum Vitae - Cheyenne Wing

- Converted language data into the current Mutsun orthography.
- Entered the information into FLEx.

Language Project Coordinator 05/2019 - 02/2020

Native American Advancement Foundation

- Assisted in coordinating community-lead Tohono O'odham language document.
- Contributed to grant writing and applications.

Library and Archive Intern 10/2018 - 05/2019

Heard Museum, Billie Jane Baguley Library and Archives

- Processed The Madeleine Mathiot Collection of Tohono O'odham Linguistics.

Language Engineer Volunteer 03/2018-03/2018

Living Tongues Institute for Endangered Languages

- Contributed to a digital dictionary of the endangered Gutob language by aligning IPA transcriptions with audio in ELAN.

Teaching Assistant 06/2017 - 07/2017

Mongolian National University of Medical Sciences, Language Department

- Developed and taught English courses for medical students and professors.

Publications

Wing, Cheyenne. 2020. *Grammatical Sketch of the Tohono O'odham Language*.
Master's Thesis. University of Arizona, Tucson.

Wing, Cheyenne. 2017. "Teaching Reading Philosophy" *Modern Foreign language training and research trends*. pp. 76-77. Mongolian National University of Medical Sciences.

Conference Participation

Wing, Cheyenne. 2018. *Does Teaching English Harm Other Languages?* Poster presented at Hawaii TESOL Conference, University of Hawaii, Honolulu.

Wing, Cheyenne. 2017. *How Teaching English Harms Other Languages*. Poster presented at Mini-TESOL Conference, Brigham Young University, Laie.

Fellowships, Grants, and Scholarships

NSF Graduate Research Fellowship Fall 2020

NAMA Tuition Grant Seed Spring 2020

UArizona SBS Graduate College Fellowship Fall 2019

UArizona Linguistics Tuition Scholarship Fall 2019

Curriculum Vitae - Cheyenne Wing

UArizona Linguistics Tuition Scholarship

Summer 2019

Arizona Archives Alliance Scholarship

Summer 2018

Skills

Visual Studio Code -
advanced

Python -
intermediate

Natural Language Toolkit -
beginner

Adobe Acrobat - advanced

Git - intermediate

SWI-Prolog - beginner

Microsoft Office - advanced

Linux/Unix - beginner

Tableau - beginner

GoogleSuite - advanced

numPy - beginner

Perl - beginner

Jupyter Notebooks-
intermediate

Docker - beginner

Languages

-Native speaker of English.

-Two years study of Spanish.

-One year study of Tohono O'odham.