

ETHAN MYERS

Evanston, IL

«

www.ethanmyers.net

»

(765)-414-7443

Skills Summary

Research Design, Data Analysis, Machine Learning, Natural Language Processing, Language Education (English, Spanish, & Linguistics), Academic & Creative Writing, Dungeons & Dragons

Education

PhD. Linguistics, Northwestern University. 2023.

- Designed linguistics experiments and analyzed data to present to other researchers
- Teaching assistant for undergraduate & graduate classes (ESL, Phonology, Sociolinguistics)
- **Relevant Coursework:** Computational Linguistics, Research Methods in Linguistics, Experimental Semantics, Experimental Pragmatics, Bayesian Statistics, Lab Phonology

Applied Data Science Program, MIT Professional Education. 2022.

- Utilized Python and Jupyter Notebooks to clean, analyze, and visualize data
- Implemented time series forecasts, decision trees, & neural networks (CNNs, RNNs) using public datasets from multiple industries (real estate, health, finance, travel, politics)
- Developed content recommendation algorithms relying on user data from Spotify

MA. Linguistics, Purdue University. 2015.

- **MA Thesis:** *Sentence final particles in Shanghainese: Navigating the left periphery*
- Conducted linguistics research as part of the Indigenous & Endangered Language Lab
- Founding member of the Purdue Experimental Linguistics Lab
- Teaching Assistant for undergraduate classes (Syntax, Introduction to Linguistic Theory)

BA. Linguistics/Spanish, Purdue University. 2013.

Work & Research Experience

Data Labeling Linguist

Scale AI, San Francisco, CA (Remote). November 2020 – June 2021.

- Applied insights from formal linguistics to evaluate output from experimental Large Language Models (LLMs) tasked with abstractive summarization, text generation, information extraction to produce more intuitive and user-friendly output
- Collaborated with Language/ Machine Learning Engineers to synthesize feedback from contractors to improve performance of proprietary LLMs

Graduate Research Assistant

Syntax, Semantics & Sentence Processing Lab, Northwestern University. 2015-2023

- Designed and implemented experiments to test models of language processing and memory.
Methods & Tools: *Eye tracking, Rating, Self-Paced Reading, Maze; R, Python*
- Trained undergraduate students on research practices and lab software/hardware
- **Proficient:** *R, Python, MTurk, Prolific, Qualtrics, EyeLink 1000+, Firebase*

Teaching Assistant & Speech Tutor

English Language Program, Northwestern University. 2016-2020

- Taught English grammar and accent modification to 240 non-native students by applying linguistic theory to meet language requisites for the graduate school (SPEAK & Versant tests)
- Developed teaching materials and exercises to address errors in pronunciation, connected speech, grammar, pragmatics, intonation, and idioms for non-native speakers of English

Research Assistant

Indigenous & Endangered Language Lab, Purdue University. 2012-2015

- Annotated and tokenized text/video corpora in Spanish, English, and Sumu-Mayangna
- Trained 8 undergraduate research assistants on research practice and lab software

Graduate Research Assistant

Purdue Experimental Linguistics Lab, Purdue University. 2014-2015

- Extracted statistical insights from linguistic data from experiments and surveys using SAS

Professional Game Master & Content Creator

Lyres For Hire (@lyresforhire), Chicago, 2021-2023

- Founded a company to promote creativity, language & social skills, team building, and improvisational storytelling via curated roleplaying games (e.g. Dungeons & Dragons)
- Directed 900+ hours of paid roleplaying sessions for private and corporate clients
- Attracted 17,700+ followers in 2 years by merging my linguistics & gaming expertise

Advocacy & Communications Lead

UNICEF UNITE Midwest Chicago, 2017-2021

- Met regularly with elected Congressmembers to promote laws and policies which improve the lives of children by providing vaccinations, educational materials, and food aid
- Co-organized several events in Washington DC, Chicago, and online (Zoom) to promote grassroots advocacy, raise awareness for immigrant crises, and promote greener lifestyles

Languages & Software

Natural Languages: English (*Native*), Spanish (*Fluent*), Mandarin (*Moderate Proficiency*)

Programming: R, SQL, Python (Pandas, NumPy, SciPy, NLTK, TensorFlow), Shell

Software & Platforms: RStudio, PyCharm, Anaconda, Mechanical Turk, Prolific, Qualtrics, Ibex Farm, PsychoPy, Firebase, Jupyter Notebooks, Google Colab, Keras, Microsoft 365