

Clare Harshey

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Summary

I'm a grad student in Computational Linguistics with a passion for linguistics, natural language processing, and problem solving. As I finish my MS degree, I'm seeking full-time opportunities to apply my tech and linguistic skill sets to real-world challenges in an industry setting.

Education

Exp. 2018	M.S., Computational Linguistics INDIANA UNIVERSITY, Bloomington, Indiana
2016	B.A., Linguistics Minor in Computer Science UNIVERSITY OF KENTUCKY, Lexington, Kentucky
2014-2015	Study Abroad MAYNOOTH UNIVERSITY, Kildare, Ireland

Research Experience

2016-	STYLAR: SPEECH TECHNOLOGY FOR YIDDISH LANGUAGE ARCHIVES Development of a Yiddish speech corpus, composed of audio recordings, Hebrew and Romanized transcription, and translation, to be used for the training of a forced aligner and other speech and language technology.
Spring 2015	UNDERGRADUATE CAPSTONE PROJECT: OLD NORSE NOMINAL INFLECTION AND NETWORK MORPHOLOGY Old Norse nominal inflection was modeled using the network morphology framework and the KATR language. Appropriate morphological forms were generated from a KATR theory accounting for noun gender, number, case and rules of sandhi.

Skills

Linux/Unix	Proficient
Java	Proficient
Python	Proficient
NLTK	Proficient
C++	Proficient
ELAN	Proficient
R	Proficient
C	Intermediate
Praat	Intermediate

Coursework Highlights

Software Systems
 Algorithm Design & Analysis
 Program Design, Abstraction and Problem Solving
 Corpus Linguistics
 Alternative Syntactic Theories
 Machine Learning Applications for Computational Linguistics
 Semantic Natural Language Processing
 Advanced Natural Language Processing
 Mathematics and Logic in Cognitive Science
 Computation and Linguistic Analysis

Work Experience

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| 2016- | LINGUISTIC DATA ANALYST, THE LINGUIST LIST
Assisting in work on Yiddish Speech Corpus project (STYLAR), including the translation and annotation of language samples with ELAN and Praat software; editing job and book review announcements for the mailing list; management of fundraising campaigns. |
| 2017 | FIELDWORK PROCESSING INTERN, THE LANGUAGE CONSERVANCY
Worked on a small team responsible for processing and analyzing fieldwork data collected from native speakers of an endangered indigenous American language. Analyzed and cataloged written and spoken data. Assisted in constructing a phonological model and orthographic system for the language. |
| 2014-2016 | STUDENT ASSISTANT, DATABASE INTEGRITY, UNIV. KENTUCKY LIBRARIES
Updated database entries; prepared books for binding and labeling; physically processed items for withdrawal and storage; special projects and other database maintenance as necessary. |
| 2015 | INSTRUCTIONAL ASSISTANT, CENTER FOR ESL, UNIV. KENTUCKY
Assisted primary instructor with teaching lessons, classroom exercises, and grading in a level 4 listening & speaking course. |
| 2015 | GENERAL STAFF, CAMP RANCHO FRAMASA
Supervised children and teens; led and motivated campers in various activities; mediated and resolved conflicts; enforced camp policies; maintained effective communication with campers, peers, and supervisors. |

- 2013-2014 OPTHALMIC TECHNICIAN, BLUEGRASS RETINA CONSULTANTS
Entered patient information into electronic health record; conducted basic ophthalmic exams and testing; assisted physician in exams and in-office procedures.
- 2011-2013 MEDICAL TECHNICIAN, PIKE MEDICAL CONSULTANTS
Organized and maintained an electronic health record database; conducted ANSAR testing for pre-operative patients; completed front-office tasks as necessary