

# Clare Harshey

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## Summary

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I am a graduate student with a passion for linguistics, problem solving and natural language processing. I'm seeking an opportunity to apply the skill set I've developed to real NLP problems, and to grow my understanding of computational linguistics in an industry setting.

## Education

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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

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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

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Java	Proficient
Python	Proficient
NLTK	Proficient
C++	Proficient
ELAN	Proficient
R	Proficient
Praat	Intermediate

## Coursework Highlights

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Software Systems  
 Algorithm Design & Analysis  
 Program Design, Abstraction and Problem Solving  
 Corpus Linguistics  
 Introduction to R  
 Alternative Syntactic Theories  
 Machine Learning Applications for Computational Linguistics  
 Advanced Natural Language Processing  
 Computation and Linguistic Analysis

## Work Experience

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| 2016-     | LINGUISTIC DATA ANALYST, THE LINGUIST LIST<br>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. |
| 2014-2016 | STUDENT ASSISTANT, DATABASE INTEGRITY, UNIV. KENTUCKY LIBRARIES<br>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<br>Assisted primary instructor with teaching lessons, classroom exercises, and grading in a level 4 listening & speaking course.   |
| 2015      | GENERAL STAFF, CAMP RANCHO FRAMASA<br>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 | OPHTHALMIC TECHNICIAN, BLUEGRASS RETINA CONSULTANTS<br>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<br>Organized and maintained an electronic health record database; conducted ANSAR testing for pre-operative patients; completed front-office tasks as necessary   |