

Katherine Blake

PhD Candidate, Linguistics



kmb382@cornell.edu



317 - 496 - 7841



conf.ling.cornell.edu/
katherineblake/

Coursework

(Graduate-level, Cornell University)

Phonetics, Phonology, Syntax,
Semantics, Computational
Linguistics, Linguistic Typology,
Methodology of Romance Language
Learning and Teaching, Historical
Linguistics

(Computer Science, Cornell

University) Introduction to Computing
with Python (CS1110, Spring 2018),
Object-Oriented Programming & Data
Structures (CS2110, Fall 2018); Deep
Learning Specialization (Coursera)

Skills

Programming languages: Python
(Proficient); Java, MATLAB (Familiar)

Natural languages: English (Native);
French (Proficient); Italian, Spanish
(Intermediate)

Programs: \LaTeX , Praat, MS Office

Other: Phonetic transcription (IPA)

Education

- 2017 - 2022 Doctor of Philosophy in Linguistics
Master of Arts in Linguistics granted Spring 2020
Cornell University | Ithaca, NY
- 2013 - 2016 Bachelor of the Arts in Linguistics with Honors, Highest Distinction
Indiana University | Bloomington, IN
Undergraduate Thesis: *Rhoticity in Cajun French* Linguistics
Advisor: Dr. Kelly H. Berkson
- 2013 - 2016 Bachelor of the Arts in French with Highest Distinction
Indiana University | Bloomington, IN
Spring 2015 at Université d'Aix-Marseille | Aix-en-Provence, France

Work Experience

- 2020 - Sr. Computational/Programmer Analyst at Army Research Lab
Contributed to ongoing projects in neural text-to-speech synthesis
and machine translation (evaluation metrics and NER annotation);
co-instructor of the visible speech course for GEMS summer program
- 2019 - 2020 Intern at Synfonica Speech, LLC Ithaca, NY
Did copy synthesis using Praat to improve text-to-speech output
of the company's rule-based synthesizer, wrote English phonotactic
rules for speech therapy software (Python), organized code
- 2019 Graduate Assistant for World Languages Day Cornell University
Provided administrative support for the WLD at Cornell pilot and
served as a consultant for session topics and presenters
- 2018, 2019 Editor of Semantics and Linguistic Theory (SALT) Academic Journal
Collected submissions, copy-edited articles, requested edits, com-
piled and published final proceedings for SALT 28 and 29
- 2015 - 2017 Research Assistant in Phonetics and Phonology Lab Indiana University
Projects: VOT variation by region and gender in American English
stops (experimental); Canadian raising phenomena in Fort Wayne,
IN English (experimental); Child phonology study using CHILDES
database (corpus)
- Fall 2014 Center of Excellence for Women in Technology
(CEWiT) researcher Indiana University
Project: Marathi perception study of breathy consonants
with: Dr. Kelly H. Berkson

Teaching Experience

- Fall 2020 Introduction to Linguistics Cornell University
Managed Canvas site, Zoom, all online materials and issues, and
grading; led 1x/week discussion section, evaluated student work, and
provided one-on-one instruction as necessary
- Spring 2020 Introduction to Phonetics & Phonology Cornell University
Led discussion sections, evaluated student work, and provided one-
on-one instruction as necessary
- 2018 - 2019 First Year French: Fall + Spring sequence Cornell University
Created student-centered lesson plans, independently led recitation
with undergraduate students 4x/week, evaluated student work, pro-
vided one-on-one instruction as necessary, and helped create exams
- Spring 2016 French Conversation Indiana University
Created student-centered conversation activities targeting oral skills
for first and second year undergraduate students in French
- Spring 2015 English Tutor Aix-en-Provence, France
Provided support & native-speaker instruction on homework & class
lessons to French middle school students participating in an after-
school program for at-risk youth

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Presentations

- Al Sagheer, Z., Blake, K., Iglehart, V., LaRocca, S., Morgan, J., Murray, J. (2020). Shareable TTS Components. Talk at the 2020 American Association for Machine Translation (AMTA) conference. Online.
- Blake, Katherine. (2020). Phonological markedness effects on noun-adjective word order in Italian. Talk at the 2020 Annual Meeting on Phonology (AMP). University of California Santa Cruz, Online.
- Blake, Katherine. (2017). Rhoticity in Cajun French. Talk at the 2017 Hutton Honors College Research Symposium. Indiana University, Bloomington, IN.
- Blake, Katherine. (2017). Rhoticity in Cajun French. Poster at the Linguistics Club at Indiana University Spring 2017 Conference. Indiana University, Bloomington, IN.
- Elston, A., Blake, K., Berkson, K., Nelson, M., Strickler, A., Herd, W., Cariño, J., Torrence, D. (2016). Region, gender, and within-category variation in American English voiced stops. Poster at the 171st Meeting of the Acoustical Society of America. Salt Lake City, UT.

Recognition

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| 2017 | Sage Fellowship Tuition + stipend | Cornell University |
| May 2017 | Induction into Phi Beta Kappa National Honors Society | Indiana University |
| 2017 | Provost's Award for Undergraduate Research Social and Applied Science | Indiana University |
| 2013 - 2017 | Undergraduate of Highest Distinction All undergraduate career, top academic honors | Indiana University |
| 2013 - 2017 | Executive Dean's List All undergraduate career, top Dean's List | Indiana University |
| 2016 | Hutton Honors College Research Grant For undergraduate thesis research | Indiana University |
| 2016 | Outstanding Senior Award Linguistics, top GPA | Indiana University |
| 2015 | Hutton Honors College Research Partnership Award For undergraduate thesis research | Indiana University |
| 2015 | Induction into Pi Delta Phi National French Honors Society | Indiana University |
| 2015 | Intensive Writing Essay Prize Winner Title: <i>Eyes, Ears, and Lippes: Communicative Methods in Hamlet</i> | Indiana University |

Extra-Curricular

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|-------------|---|--------------------|
| 2017 - | Phonetics Lab Member Gave, and provided feedback on, research presentations; participated in critical discussions of academic articles | Cornell University |
| 2019 | Flute Choir Member Sight-read, rehearsed, and performed classical music with flute trio | Cornell University |
| 2019 | Local Host Site Assistant Organizer For the North American Computational Linguistics Olympiad (NACLO) | Cornell University |
| June 2018 | Workshop: PhonFest 2018 "Mixing it up: From the lab to the field and back again" | Indiana University |
| 2014 - 2016 | Co-Founder & Secretary of the French Club Kept meeting minutes, organized meetings, and planned events | Indiana University |