

Hyunah Baek

LINGUIST · PHONETICIAN · PHONOLOGIST · TEACHER

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Education

Stony Brook University , Ph.D. in Linguistics	2020, expected	<i>Stony Brook, NY</i>
Korea University , M.A. in English Language Education	2013	<i>Seoul, Korea</i>
Korea University , B.A. in English Language Education	2011	<i>Seoul, Korea</i>
Royal Holloway, University of London , Visiting student in English	2010	<i>Surrey, UK</i>

Skills

Experimental platforms	PsychoPy, Experigen, Qualtrics
Experimental tools	Electroencephalography with BioSemi's ActiveTwo system, Eye-tracking with SR Research's EyeLink 1000 Plus
Speech sound analysis	Praat
Formal languages	R, LaTeX, Python
Natural languages	Korean (native), English (fluent), Mandarin (intermediate), Persian (beginning)

Work Experience

Korea Institute for Curriculum and Evaluation RESEARCH INTERN	<i>Seoul, Korea</i> 2013-2014
<ul style="list-style-type: none">analyzed quantitative and qualitative data from international assessments (e.g., PISA and TIMSS)	
Center for Teaching and Learning, Korea University GRADUATE ASSISTANT	<i>Seoul, Korea</i> 2011-2012
<ul style="list-style-type: none">developed teaching programs for faculty and managed faculty data for tenure evaluation	

Projects and Selected Publications

Prosodic resolution of syntactic ambiguity in first and second languages STONY BROOK UNIVERSITY, PH.D. DISSERTATION	<i>Stony Brook, NY</i> 2017-present
<ul style="list-style-type: none">Studied how prosody is used to resolve syntactic ambiguity through data collection/annotation, speech manipulation, phonetic/statistical analysesPublication: Baek, H. (2019). A cross-linguistic comparison on the use of prosodic cues for ambiguity resolution. In <i>Proceedings of Meetings on Acoustics</i> 36(1), 060005.	
Language adaptation at multiple timescales in native- and non-native speakers STONY BROOK UNIVERSITY, NSF-SUPPORTED RESEARCH PROJECT, RESEARCH ASSISTANT	<i>Stony Brook, NY</i> 2015-present
<ul style="list-style-type: none">Tracked non-native speakers' language adaptation for 2 years through data collection/annotation and phonetic/statistical data analysesPublication: Hwang, J., Takahashi, C., Baek, H., Yeung, A., & Broselow, E. (under revision). Processing prosody without segments by native vs. non-native speakers.	
Computational analysis of stress patterns STONY BROOK UNIVERSITY	<i>Stony Brook, NY</i> 2016-2017
<ul style="list-style-type: none">Analyzed the typology of stress assignment as a Tier-based Strictly Local grammar by adding structural features to the representationPublication: Baek, H. (2017). Computational representation of unbounded stress: tiers with structural features. In <i>Proceedings of the 53rd Annual Meeting of the Chicago Linguistic Society</i>, 13-24.	

Teaching

Instructor	Second Language Acquisition, ESL Composition (Intermediate & Advanced) , SBU	<i>Stony Brook, NY</i>
Teaching assistant	Phonetics, Languages in the USA, Field Methods , Stony Brook University	<i>Stony Brook, NY</i>
Teaching assistant	Applied Linguistics, English Phonetics and Sound Patterns , Korea University	<i>Seoul, Korea</i>

Awards

Fall 2019	Mildred and Herbert Weisinger Dissertation Fellowship , Stony Brook University
Spring 2019	Linguistics Department Research Grant , Department of Linguistics, Stony Brook University
Spring 2019	Professional Development Fund , SUNY Research Foundation

Services

Current	Social media manager , Department of Linguistics, Stony Brook University
Fall 2019	Conference organizing committee , The 7th Annual Meeting on Phonology
2015-2016	Vice president , Stony Brook University, Korean Graduate Student Association
Spring-Fall 2015	Brown Bag organizer, Colloquium co-organizer , Department of Linguistics, Stony Brook University