Justin Bai

justin.bai@colorado.edu

EDUCATION

Brown University   Providence, RI ✦ Sep. 2015 – May 2019
- B.A. Linguistics; B.A. Cognitive Science

University of Colorado Boulder   Boulder, CO ✦ Aug. 2019 – present
- Current PhD student in Linguistics with a focus in phonetics

EXPERIENCE ANF RESEARCH

Brown Uni. CLPS Dept.   Providence, RI ✦ May 2017 – Aug 2019

Research Assistant for Professor Scott AnderBois (from May 2017 to May 2019)
- Data entry for A'ingae Language Documentation Project
- Updated and maintained language archive through use of CMDI Maker, Arbil, and LAMUS
- Analyze and research aspects of A'ingae grammar while working with consultant

Research Assistant for Professor Uriel Cohen Priva (from Sep. 2018 to Aug. 2019)
- Collect, annotate, and study the phonological makeup of languages for a project in corpus linguistics and phonology
- Identify sounds that exist in a language and write regular expressions that transform alphabets into phonological representations

University of Colorado Boulder   Boulder, CO ✦ Aug. 2019 – present

Voices of Colorado Project – advised by Professor Jeremy Calder (current)
- Analysis of vowel data collected from speakers along the Front Range
- Calculate mixed-effects linear regression models on R to examine vowel fronting and Euclidean distance to examine the low back merger

Minimal pair effects on vowel length realization – advised by Prof. Rebecca Scarborough (current)
- Examine the effects of minimal pairs on vowel lengthening before voiced consonants
- Build "pandemic-safe" experiment on Mechanical Turk to collect responses to experimental task

Teaching Assistant (current)
- TA for LING 1020 (Languages of the World), LING 1000 (Language in U.S. Society), LING 5030 (Linguistic Phonetics)
- Lead weekly sections to review and clarify topics from class, grade and record assignments

TALKS

2017   Bai, Justin, Maksymilian Dabkowski, Kalinda Pride, and Nicholas Tomlin. "Yucatec Maya in SBCG: A Fragment." *24th International Conference on Head-Driven Phrase Structure Grammar*. (July 8, 2017).

2021   Ting, Andrew, Justin Bai, and J Calder. "'Don't California my Colorado!': the status of the Western Vowel Shift in the Colorado Front Range." *New Ways of Analyzing Variation*.

2022   Bai, Justin and Rebecca Scarborough. "Enhancing secondary voicing cues in words with minimal pairs." *182nd Meeting of the Acoustical Society of America*. (May 23, 2022).

2024   Bai, Justin and Rebecca Scarborough. "Listener-directed contrastive hyperarticulation in voicing-conditioned vowel duration." *LabPhon 19.* (June 28, 2024).