

# Nicholas Bamshad Aoki

Curriculum Vitae  
as of December 19, 2023

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## RESEARCH INTERESTS

Phonetics/phonology, speech perception, psycholinguistics, speaking style variation, sociolinguistics, human-computer interaction

## EDUCATION

- 2021- **University of California Davis**, Davis, CA  
*Doctor of Philosophy in Linguistics*  
Cumulative GPA: 4.00/4.00
- 2021 **University of Chicago**, Chicago, IL  
*Master of Arts in Digital Studies of Language, Culture, and History*  
Cumulative GPA: 4.00/4.00  
Thesis: Do Hillary Clinton and Kamala Harris Imitate the Accent of their Audience at Campaign Rallies?
- 2021 **University of Chicago**, Chicago, IL  
*Bachelor of Arts in Linguistics, Minor in Statistics*  
Cumulative GPA: 3.95/4.00  
College Honors: Phi Beta Kappa, Student Marshal, *summa cum laude*

## PUBLICATIONS

### *Peer-Reviewed Journal Articles*

- 2023 **Aoki, Nicholas B.** and Georgia Zellou. Visual information affects adaptation to novel talkers: ethnicity-specific and ethnicity-independent learning of L2-accented speech. Under second round of review at *The Journal of the Acoustical Society of America*, 154(4), 2290-2304.
- 2022 **Aoki, Nicholas B.**, Michelle Cohn, and Georgia Zellou. The clear speech intelligibility benefit for text-to-speech voices: Effects of speaking style and visual guise. *The Journal of the Acoustical Society of America Express Letters*, 2(4), 045204.

***Refereed Conference Proceedings***

- 2023 **Aoki, Nicholas B.** and Georgia Zellou. When clear speech does not enhance memory: Effects of speaking style, voice naturalness, and listener age. *Proceedings of Meetings on Acoustics*, 51(1), 060002.
- 2023 **Aoki, Nicholas B.** and Georgia Zellou. Speakers talk more clearly when they see an East Asian face: Effects of visual guise on speech production. In Radek Skarnitzl & Jan Volín (Eds.), *Proceedings of the 20<sup>th</sup> International Congress of Phonetic Sciences* (pp. 2294-2298). Guarant International.

**MANUSCRIPTS UNDER PEER REVIEW**

- 2023 **Aoki, Nicholas B.** and Georgia Zellou. When “clear speech” is not more clear: Intelligibility of hard-of-hearing-directed and non-native-directed speech for L1- and L2-English listeners. Under second review at *Journal of Phonetics*.
- 2023 Vonessen, J., **Nicholas B. Aoki**, Michelle Cohn, and Georgia Zellou. Comparing perception of L1 and L2 English by human listeners and machines: Effect of interlocutor adaptations. Under first review at *The Journal of the Acoustical Society of America*.

**CONFERENCE PRESENTATIONS**

- 2023 **Aoki, Nicholas B.** and Georgia Zellou. Ethnicity-specific and -independent learning: Effects of guise on adaptation to novel foreign-accented talkers. 98<sup>th</sup> *Annual Meeting of the Linguistic Society of America*. New York City, New York, United States.
- 2023 **Aoki, Nicholas B.** and Georgia Zellou. When speaking clearly does not enhance comprehension: Comparing intelligibility of hard-of-hearing- and non-native-directed speech for native and non-native listeners. 185<sup>th</sup> *Meeting of the Acoustical Society of America*. Sydney, Australia.
- 2023 **Aoki, Nicholas B.** and Georgia Zellou. Ethnicity-specific and -independent learning: Effects of guise on adaptation to novel foreign-accented talkers. *New Ways of Analyzing Variation* 50. New York City, New York, United States.
- 2023 **Aoki, Nicholas B.** and Georgia Zellou. Speakers talk more clearly when they see an Asian face: Effects of visual guise on speech production. 20<sup>th</sup> *International Congress of Phonetic Sciences*. Prague, Czech Republic.
- 2023 **Aoki, Nicholas B.** and Georgia Zellou. Comparing intelligibility and recognition memory of human and text-to-speech voices. 184<sup>th</sup> *Meeting of the Acoustical Society of America*. Chicago, Illinois, United States.
- 2023 **Aoki, Nicholas B.**, Masoud Jasbi, and Georgia Zellou. Under-informative utterances can be more accepted from digital devices than humans. 97<sup>th</sup> *Annual Meeting of the Linguistic Society of America*. Denver, Colorado, United States.

- 2022 **Aoki, Nicholas B.** and Georgia Zellou. Hey Alexa, are you a Valley Girl? Effects of social information on the perception of text-to-speech voices. *New Ways of Analyzing Variation* 50. San Jose, California, United States.
- 2022 **Aoki, Nicholas B.**, Michelle Cohn, and Georgia Zellou. The Clear Speech Intelligibility Benefit for TTS Voices: Effects of Speech Style and Guise. *The 18<sup>th</sup> Conference on Laboratory Phonology*, Virtual.
- 2021 **Aoki, Nicholas B.** and Alan C. L. Yu. Do Hillary Clinton and Kamala Harris Imitate the Accent of Their Audiences? Analysis and Interpretation of Stylistic Variability. *New Ways of Analyzing Variation* 49, Virtual.
- 2021 **Aoki, Nicholas B.**, Henry Mackall, and Alan C. L. Yu. Does Variation in Speech Production Impact Acoustic Cue Weighting in Speech Perception? *2021 University of Chicago Undergraduate Research Symposium*, Virtual.
- 2020 **Aoki, Nicholas B.**, Jacob B. Phillips, Daniel Chen, and Alan C. L. Yu. Convergence of the lot-thought merger in the U.S. Supreme Court. *94<sup>th</sup> Annual Meeting of the Linguistic Society of America*, New Orleans, Louisiana, United States.

#### MEDIA APPEARANCES

- 2023 Setzer, Kat. Student Paper Competition: Chicago [19:49-30:53]. Across Acoustics [Official Podcast of the Acoustical Society of America].  
<https://acrossacoustics.buzzsprout.com/1537384/14065240-student-paper-competition-chicago>

#### AWARDS AND HONORS

- 2023 Proceedings of Meetings on Acoustics Student Paper Competition Winner, Acoustical Society of America, \$300
- 2023 “Down Under Funder” Travel Grant, Acoustical Society of America, \$1,000
- 2023 Steven Lapointe Award, UC Davis Department of Linguistics, \$850
- 2023 Student Award, International Phonetic Association, GBP 600
- 2022 Travel Award, UC Davis Graduate Student Association, \$250
- 2022-2023 Graduate Research Mentorship Fellowship, UC Davis, \$48,900
- 2021-2022 Provost’s Fellowship in the Arts, Humanities, and Social Sciences, UC Davis, \$59,802
- 2021 Latin Honors (summa cum laude), Univ. of Chicago
- 2021 Leonard Bloomfield Prize in Linguistics, Univ. of Chicago
- 2020 Phi Beta Kappa (Early Induction), Univ. of Chicago
- 2020 Student Marshal, Univ. of Chicago
- 2020 College Summer Research Fellow, Univ. of Chicago, \$5,000

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| 2019-2020 | College Research in the Arts, Social Sciences, and Humanities Scholar, Univ. of Chicago \$5,000 |
| 2019      | Jeff Metcalf Internship, Univ. of Chicago   |
| 2019      | Dean's Fund for Undergraduate Research Award, Univ. of Chicago, \$1,271                         |
| 2019      | Liew Family College Research Fellow, Univ. of Chicago, \$1,000                                  |
| 2017-2021 | Dean's List, Univ. of Chicago   |
| 2017-2021 | National Merit Scholarship, \$8,000   |

## TEACHING

### *Teaching Assistant*

LIN 171 – Introduction to Psycholinguistics (Winter 2024)

LIN 001 – Introduction to Linguistics (Fall 2023)

## SERVICE

### *Reviewing*

**Ad-hoc Journal Reviewing:** Journal of the Acoustical Society of America (Co-Reviewer with Georgia Zellou)

**Conference Abstract Reviewing:** UC Davis Cluster on Language Research Symposium (2022, 2023)

### *Organized Sessions and Symposia*

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| 2023 | UC Davis Cluster on Language Research Symposium (co-organized with Roxanne Elliott and Ana Ortega Pérez) |
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### *Other Service*

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| 2023-     | Website Manager, UC Davis Linguistics Department                          |
| 2023-     | UC Davis Graduate Student Association Representative                      |
| 2022-2023 | Sacramento Public Library Adult Literacy Program Tutor                    |
| 2021-2022 | UC Davis Graduate and Professional School Events Grant Review Board       |
| 2020-2021 | Univ. of Chicago Senior Class Gift Committee                              |
| 2017-2021 | Univ. of Chicago Phoenix Tutoring (President, Session Coordinator, Tutor) |

## LANGUAGES

English (L1 or “native”), French (advanced), Spanish (advanced), Japanese (intermediate), Farsi (beginning)

## TECHNICAL SKILLS

Proficient in: R, Python, Praat, Qualtrics, LaTeX, HTML, CSS, FAVE, ProsodyPro, WebMAUS, MS Word, MS Excel, Zoom

Knowledge of: MySQL, JavaScript, ELAN, E-Prime, eye-tracking, electroencephalography (EEG)

## PROFESSIONAL MEMBERSHIPS

- 2023- Acoustical Society of America
- 2023- International Phonetic Association
- 2022- Association for Laboratory Phonology
- 2020- Linguistic Society of America
- 2020- Phi Beta Kappa

## REFERENCES

### **Georgia Zellou**

Associate Professor of Linguistics  
University of California, Davis  
[gzellou@ucdavis.edu](mailto:gzellou@ucdavis.edu)

### **Fernanda Ferreira**

Professor of Psychology  
University of California, Davis  
[fferreira@ucdavis.edu](mailto:fferreira@ucdavis.edu)

### **Santiago Barreda**

Associate Professor of Linguistics  
University of California, Davis  
[sbarreda@ucdavis.edu](mailto:sbarreda@ucdavis.edu)

### **Alan C. L. Yu**

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