

Nicholas Bamshad Aoki

Curriculum Vitae
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RESEARCH INTERESTS

Phonetics/phonology, human-computer interaction, pragmatics, sociolinguistics

EDUCATION

- 2021- **University of California Davis**, Davis, CA
Doctor of Philosophy in Linguistics
- 2021 **University of Chicago**, Chicago, IL
Master of Arts in Digital Studies of Language, Culture, and History
- 2021 **University of Chicago**, Chicago, IL
Bachelor of Arts in Linguistics, Minor in Statistics
GPA 3.95/4.00

INTERNATIONAL STUDIES

- 2018 Advanced French Study Abroad, **University of Chicago**, Paris, France
- 2014 Rassias Summer Language Program in Spanish, Gijon, Spain

AWARDS

- 2022 Graduate Research Mentorship Fellowship, UC Davis
- 2021 Provost's Fellow in the Arts, Humanities, and Social Sciences, UC Davis
- 2021 Leonard Bloomfield Prize in Linguistics, Univ. of Chicago
- 2020 Phi Beta Kappa, Univ. of Chicago
- 2020 Student Marshal, Univ. of Chicago
- 2019 Jeff Metcalf Internship, Univ. of Chicago
- 2017-2021 Dean's List, University of Chicago, Univ. of Chicago
- 2017-2021 National Merit Scholarship

RESEARCH GRANTS

- 2020 College Summer Research Fellow, Univ. of Chicago, \$5000
- 2019-2020 College Research in the Arts, Social Sciences, and Humanities Scholar,
Univ. of Chicago \$5000
- 2019 Dean's Fund for Undergraduate Research Award, Univ. of Chicago, \$1271
- 2019 Liew Family College Research Fellow, Univ. of Chicago, \$1000

PUBLICATIONS

- 2022 **Aoki, Nicholas**, 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*.

PRESENTATIONS

- 2022 **Aoki, Nicholas B.**, Michelle Cohn, and Georgia Zellou. The Clear Speech Intelligibility Benefit for TTS Voices: Effects of Speech Style and Guise. *The 18th Conference on Laboratory Phonology*.
- 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*, University of Texas at Austin.
- 2020 **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*.
- 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. *94th Annual Meeting of the Linguistic Society of America*.

RESEARCH EXPERIENCE

- 2019-2021 **Cue-Weighting Project, Grant-Funded Research Assistant**
Phonology Laboratory, University of Chicago, Chicago, IL
- Process data for visual analysis
 - Extracted formant data using Prosody Pro
 - Manually aligned WebMAUS TextGrid files using Praat
 - Force-aligned production data using WebMAUS
 - Conducted speech perception and production experiments on over 70 subjects
 - Trained 2 research assistants to follow experimental protocols
 - Developed a plan to recruit and retain experimental subjects
 - Modified sound files using Praat and analyzed data using R to determine study feasibility
- 2018-2020 **Supreme Court Corpus Project, Grant-Funded Research Assistant**
Phonology Laboratory, University of Chicago, Chicago, IL
- Programmed and ran mixed-effects models in R to demonstrate the degree of phonetic convergence between justices and advocates
 - Extracted vowel data such as spectral information using FAVE-extract
 - Force-aligned several hundred Supreme Court cases using FAVE-align

RELEVANT COURSES

- 2022 Advanced Syntax, UC Davis
- 2022 Advanced Semantics, UC Davis
- 2022 Multivariate Data Analysis, UC Davis

2021	Time Series Analysis, UC Davis
2021	Advanced Phonetics, UC Davis
2021	Contact Linguistics, Univ. of Chicago
2021	Natural Language Processing, Univ. of Chicago
2021	Undergraduate Field Methods, Univ. of Chicago
2021	Data Publication for the Humanities, Univ. of Chicago
2021	Data Analysis for the Humanities, Univ. of Chicago
2021	Sociolinguistic Typology, Univ. of Chicago
2020	Computational Linguistics, Univ. of Chicago
2020	Data Management for the Humanities, Univ. of Chicago
2020	Introduction to Digital Humanities, Univ. of Chicago
2020	Evidentiality, Univ. of Chicago
2020	Introduction Data Science II, Univ. of Chicago
2020	Psycholinguistics, Univ. of Chicago
2019	Introduction to Data Science I, Univ. of Chicago
2019	Introduction to Categorical Data Analysis, Univ. of Chicago
2018	Linear Models and Experimental Design, Univ. of Chicago
2018	Applied Regression Analysis, Univ. of Chicago

SERVICE

2021-	Cluster on Language Research Symposium Committee <i>University of California Davis, Davis, CA</i> <ul style="list-style-type: none"> • Review conference abstracts • Promote symposium via social media • Review applications for travel fellowship for underrepresented students
2021-	Graduate and Professional School Events Grant Review Board <i>University of California Davis, Davis, CA</i> <ul style="list-style-type: none"> • Review grant applications for graduate organizations
2021-	Graduate and Professional School Events Grant Review Board <i>University of California Davis, Davis, CA</i> <ul style="list-style-type: none"> • Organize and catalog department journals and books for future reference
2020-2021	Senior Class Gift Committee <i>University of Chicago, Chicago, IL</i> <ul style="list-style-type: none"> • Recruit peers at the University of Chicago to support university programs • Raise awareness of university fundraising events by contacting peers on social media platforms and online events • Recruited by University of Chicago administration to help increase support for university-sponsored organizations and programs
2017-2021	Phoenix Tutoring <i>University of Chicago, Chicago, IL</i> <ul style="list-style-type: none"> • Tutor 3 students one-on-one in mathematics and English on Zoom during the COVID-19 pandemic

LEADERSHIP

- 2017-2021 **Phoenix Tutoring**
University of Chicago, Chicago, IL
- Co-President (April 2019-June 2021)
 - Session Coordinator (April 2018-June 2019)
 - Manage 40 tutors across 3 weekly sessions to provide free tutoring for 38 local Chicago students online during the COVID-19 pandemic
 - Transitioned program to online tutoring during the COVID-19 pandemic
 - Serve as liaison between schools, tutors, and parents to recruit students and promote the program
 - Coordinate with university administration to comply with university standards and policies
- 2017-2019 **French Club**
University of Chicago, Chicago, IL
- Events Chair (October 2017 – May 2019)
 - Organized logistics of quarterly events of up to 50 people held for the university community and the general public
 - Coordinated with officials to ensure events complied with university rules and policies
- 2018-2020 **Korean Drumming Club**
University of Chicago, Chicago, IL
- Co-lead Drummer (October 2019 – February 2020)
 - Trained 5 drummers
 - Managed weekly practices culminating in quarterly university-wide performances

LANGUAGES

English	Native fluency
French	Advanced proficiency
Spanish	Advanced proficiency
Japanese	Intermediate proficiency
Farsi	Basic proficiency

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, Prosody Pro, eye-tracking, electroencephalography (EEG)

MEMBERSHIPS

2020- Association for Laboratory Phonology, Member
2020- Linguistic Society of America, Member
2020- Phi Beta Kappa, Member

ACTIVITIES

2021- Grace Garden, Davis United Methodist Church
2019-2020 Kendo Club, University of Chicago
2018-2020 Korean Drumming Club, University of Chicago
2017-2019 Chamber Ensemble Program, University of Chicago
2017-2019 French Club, University of Chicago
2005- National Kidney Foundation

REFERENCES

Alan C. L. Yu
Professor of Linguistics
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Georgia Zellou
Associate Professor of Linguistics
University of California, Davis
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