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**
University of California Davis, Davis, CA
- 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**
University of California Davis, Davis, CA
- Review grant applications for graduate organizations

2021- **Graduate and Professional School Events Grant Review Board**
University of California Davis, Davis, CA
- Organize and catalog department journals and books for future reference

2020-2021 **Senior Class Gift Committee**
University of Chicago, Chicago, IL
- 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**
University of Chicago, Chicago, IL
- 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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