

Nicholas Bamshad Aoki

Curriculum Vitae
as of March 31, 2022

nbaoki@ucdavis.edu
<http://www.linkedin.com/in/nicholasaoki>

RESEARCH INTERESTS

Phonetics/phonology, sociolinguistics, human-computer interaction

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

- 2021 Provost's Fellow in the Arts, Humanities, and Social Sciences, UC Davis
- 2021 Leonard Bloomfield Prize in Linguistics
- 2020 Phi Beta Kappa (inducted as a 3rd year student)
- 2020 Student Marshal
- 2019 Jeff Metcalf Internship
- 2017-2021 Dean's List, University of Chicago
- 2017-2021 National Merit Scholarship

RESEARCH GRANTS

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

RESEARCH EXPERIENCE

- 2019-present **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

PRESENTATIONS

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

RELEVANT COURSES

- 2021 Natural Language Processing
- 2021 Data Publication for the Humanities
- 2021 Data Analysis for the Humanities
- 2020 Computational Linguistics
- 2020 Data Management for the Humanities
- 2020 Introduction to Digital Humanities
- 2020 Introduction Data Science II
- 2019 Introduction to Data Science I
- 2018 Applied Regression Analysis

SERVICE

- 2021- **Cluster on Language Research Symposium Committee**
University of California Davis, Davis, CA
- 2021- **Graduate and Professional School Events Grant Review Board**
University of California Davis, Davis, CA
- 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-present Linguistic Society of America, Member

ACTIVITIES

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-present National Kidney Foundation

REFERENCES

Alan C. L. Yu
Professor of Linguistics
University of Chicago
(773) 627-6221
aclyu@uchicago.edu

Georgia Zellou
Associate Professor of Linguistics
University of California, Davis
(530) 754-0992
gzellou@ucdavis.edu