

# Nicholas Bamshad Aoki

Curriculum Vitae  
as of September 26, 2021

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

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## RESEARCH INTERESTS

Phonetics, phonology, sociophonetics, laboratory phonology

## EDUCATION

- 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

- 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**

- 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, LaTeX, HTML, CSS, FAVE, ProsodyPro, WebMAUS, MS Word, MS Excel, Zoom

Knowledge of: Qualtrics, 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](mailto:aclyu@uchicago.edu)

### **Georgia Zellou**

Associate Professor of Linguistics  
University of California, Davis  
(530) 754-0992  
[gzellou@ucdavis.edu](mailto:gzellou@ucdavis.edu)