

# Nicholas Bamshad Aoki

Curriculum Vitae  
as of October 3, 2020

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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 3.94

## INTERNATIONAL STUDIES

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

## AWARDS

2020 Phi Beta Kappa (inducted as a 3rd year student)  
2020 Student Marshal  
2019 Jeff Metcalf Internship  
2017-2020 Dean's List, University of Chicago  
2017-2020 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

## ABSTRACTS

- 2020 **Aoki, N., Ou, J., Yu, A.** Does Variation in Speech Production Impact Acoustic Cue Weighting in Speech Perception? *University of Chicago Undergraduate Research Symposium Proceedings.*
- 2020 **Aoki, N., Phillips J., Chen D., Yu, A.** Convergence of the Lot-Thought Merger in the U.S. Supreme Court. *Proceedings of the 94th Annual Meeting of the Linguistic Society of America.*

## PRESENTATIONS

- 2020 **Aoki, N., Phillips J., Chen D., Yu, A.** Convergence of the Lot-Thought Merger in the U.S. Supreme Court. *Proceedings of the 94th Annual Meeting of the Linguistic Society of America.*

## RELEVANT COURSES

- 2021 Natural Language Processing (*Spring Quarter*)
- 2021 Data Publication for the Humanities (*Winter Quarter*)
- 2021 Data Analysis for the Humanities (*Winter Quarter*)
- 2020 Computational Linguistics (*Fall Quarter*)
- 2020 Data Management for the Humanities (*Fall Quarter*)
- 2020 Introduction to Digital Humanities (*Fall Quarter*)
- 2017-2020 Additional courses on academic transcript

## SERVICE

2020-present **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-present **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-present **Phoenix Tutoring**

*University of Chicago, Chicago, IL*

- Co-President (April 2019-present)
- Session Coordinator (April 2018-June 2019)
- Manage 35 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	Intermediate proficiency
Japanese	Intermediate proficiency
Farsi	Basic proficiency

## **TECHNICAL SKILLS**

Proficient in R, FAVE-align, FAVE-extract, Praat, WebMAUS, MS Word, MS Excel, Zoom

Knowledge of Python, Latex, 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**

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University of Chicago  
(773) 627-6221  
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**Satoko Ogura Bourdaugh**

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