

Baichen (Albert) Du

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Education

- 2019 - 2024 **The University of Hong Kong**, Bachelor of Social Sciences (*Highest Honor Distinction*),
Major in Linguistics and Political Science.
GPA – 3.94/4.3, GPA of Linguistics – 4.08/4.3.
- Jan - May, 2023 **University of California, Berkeley**, Visiting Undergraduate Student
Major in Linguistics.
- 2020 & 2021 **Korea University**, International Winter and Summer Campus
GPA – 4.07/4.5
Courses: Data Analysis with R, Social Psychology, Game Theory, Korean Democratization.
- May, 2021 **The Luso-Brazilian Association of Speech Sciences**
Workshops: Statistical Method in Linguistic Research, Speech Analysis.

Publication, Presentation, and Manuscript

- Submitted **Du, B.*** (2022). An audio-visual account for synchronic sound changes towards sibilants merger in Taiwan Mandarin. Submitted to: *Seventh Annual Berkeley Undergraduate Linguistics Symposium 2023*.
- Submitted **Du, B.*** (2022). Acoustic distance effect on the perception of sibilants mergers between retroflexes and alveolars in Taiwan Mandarin. Submitted to: *184th Meeting of Acoustical Society of America 2023*.
- Under Review Do, Y.*, Van Hoey, T., Yu, X., **Du, B.**, Tan, L.(2022). Adults intuitively prefer learning regular novel phonological patterns: A tale of two planets. Submitted to: *Nature: Scientific Reports*.
- In Prep Havenhill, J.*, **Du, B.** (In prep). An audio-visual account for palatalization and sound change in diachronic and synchronic Time.
- In Prep Soderstrom, M.*, Casar, M., **Du, B.** (In prep). Distraction affects prosodic features of Infant-Directed Speech.
- In Prep **Du, B.*** (In prep). Explanatory Power or Facts: Endorsement for speculations and conjectures when social facts are absent. *Undergraduate Thesis of Political Psychology*.

Honors, Awards, and Grants

- 2022 **TransDisciplinary Undergraduate Research Initiative Grant**, HKD 3,830 (USD 490)
The University of Hong Kong.
○ Project: An audio-visual account for linguistic and social selectivity in the accommodation to sibilant mergers in Mandarin.
- 2022 **Globalink Research Award**, CAD 12,000 (USD 9,200)
Mitacs, Canada Government.
○ Project: Distraction affects prosodic features of Infant-Directed Speech.
- 2022 **Leung Kau Kui Research and Teaching Grant**, HKD 10,000 (USD 1,270)
Faculty of Social Sciences, HKU.
○ Project: Explanatory power or facts: endorsement for speculations and conjectures when social facts are absent.
- 2022 **The K.K.Ho Prize**, HKD 20,000 (USD 2,550)
Faculty of Social Sciences, HKU.
○ Awarded in recognition of academic performance and social responsibility.
- 2020, 2021, 2022 **Dean's Honor List**.
- 2019 **Soong Ching-ling Foundation Scholarship**, CNY 200,000 (USD 29,500).
○ Awarded to undergraduates newly admitted to universities in Hong Kong & Macau, in recognition of academic performance and social activities.

Research Experience

- Sep - Dec, 2022 **Undergraduate Research Fellowship**, Faculty of Social Sciences, HKU
Undergraduate Research Fellow.
Supervisor: Dr. Haohan Chen
Conducting independent study titled "Explanatory Power or Facts: Endorsement for Speculations and Conjectures When Social Facts are Absent".
- 2021 - 2022 **The Language Development Lab**, Linguistics Department, HKU
Lab Member.
PI: Assoc Prof. Youngah Do & Dr. Jonathan Havenhill
Assistance to designing and executing four of the above projects, literature review, experiment building in PsychoPy using Python and JavaScript, data collection, analyzing experimental data using R, and manuscript preparation.
- Jun - Sep, 2022 **The Baby Language Lab**, Department of Psychology, University of Manitoba
Full-time Research Assistant.
Supervisor: Prof. Melanie Soderstrom
Conducted prosodic analysis of Infant-Directed-Speech to compare differences in F0 when caregivers paying attention to babies versus caregivers are distracted by the use of smartphones. ELAN, Praat scripting, and R programming were extensively used.
- Jan - Apr, 2022 **Department of Politics and Public Administration**, HKU
Part-time Research Assistant.
Supervisor: Dr. Haohan Chen
Assisting web data extraction using R. Analyzing and interpreting text data. Compiling tutorials of advanced data science for POLI3148: Data Science in Politics and Public Administration.
- Jan - May, 2021 **Undergraduate Research Opportunity Program** Faculty of Arts, HKU
Research Assistant.
Supervisor: Dr. Jonathan Havenhill
Assistance to the study titled "An Audio-visual Account for Palatalization and Sound Change in Diachronic and Synchronic Time".

Skills

- Languages English, Mandarin, Cantonese
- Programming* R, Praat Script, Python, L^AT_EX, HTML, Julia
- Research Tools RStudio, Praat, PsychoPy, ELAN, Qualtrics, Amazon Polly Speech Synthesis
- Research Skills Frequentist Statistics, Web Data Extraction, Text Data Processing, Forced Alignment
- *In a descending order of proficiency

Key Courses

- Linguistics Phonetics, Phonology, Phonetic-Phonology Interface, Variation analysis, Laboratory linguistics, Second language research, Languages of the world, Grammatical description, Semantics.
- Methodology Research methods in politics and public administration,
Data science in politics and public administration, Data Analysis with R, Policy and program evaluation

Extracurricular Activities & Services

- Oct, 2022 **HKU Information Day**, Department of Linguistics
Volunteer.
Introduction to admission information and choices of program and majors. Illustration of Ultrasound Imaging for articulatory phonetics research.
- Dec, 2021 - Dec, 2022 **Chinese Culture Sub-committee**, Student Association of HKU R.C.Lee Hall
Chairperson.
Responsible for rights protection, equal opportunity and equal access to hall-wide activities, readmission affairs, and general communication between local and non-local students.

- Oct, 2020 - Oct, 2021 **Social Service Fund, HKU**
External Secretary.
Responsible for general communication between university professors of media law/human rights and the Refugee Union in Hong Kong. Conducting interviews with refugee and diaspora communities. Public events advertising.
- Jun - Aug, 2021 **Pad for Hope Foundation**
Teaching Intern.
Delivering summer courses offered to rural students, responsible for course designing, event organizing, and general communication between parents and the foundation.
- Dec, 2020 - Jan, 2021 **University Service Centre, The Chinese University of Hong Kong**
Helper.
Filing and categorizing local gazetteers published by Chinese local government at the China Studies Collection.