

Suyuan Liu

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Education

Sep. 2020 - present	Ph.D. in Linguistics, University of British Columbia, Vancouver
June 2019	B.A. in Linguistics with Honors, University of California, Los Angeles Minor in Asian Language Study (Specialize in Japanese) Specialization in Computing Member of Phi Beta Kappa Honor Society

Grants, Honors and Awards

2024	Pei-Huang Tung and Tan-Wen Tung Graduate Fellowship (CAD3,200)
2023	IPA Student Award, International Phonetic Association (GBP600)
2023	Dean of Arts Graduate Student Research Award, UBC (CAD1,000)
2019	Departmental Honor, Department of Linguistics, UCLA (USD500)
2019	Undergraduate Research and Travel Awards, Department of Linguistics, UCLA (USD900)

Publications

Conference proceedings

2024	Liu, S. , Babel, M., Zhu. J., (2024) A comparison of voice similarity through acoustics, human perception and deep neural network (DNN) speaker verification systems. In Proceedings of the Annual Conference of the International Speech Communication Association, INTERSPEECH (Vol. 2024, to appear). International Speech Communication Association.
2023	Liu, S. & Babel, M., (2023) Production and perception of Mandarin /i/-nasal rhymes. In: Radek Skarnitzl and Jan Volín (Eds.), Proceedings of the 20th International Congress of Phonetic Sciences (pp. 142–146). Guarant International.
2023	Cardoso, A., Liu, S. , Pritchard, R., Babel, M.(2023). Simultaneous vowel changes in British Columbian English. In: Radek Skarnitzl and Jan Volín (Eds.), Proceedings of the 20th International Congress of Phonetic Sciences (pp. 3006–3010). Guarant International.

Peer-reviewed Paper

- Dec. 2020 | Faytak, Matthew, **Suyuan Liu**, Megha Sundnara. Nasal coda neutralization in Shanghai Mandarin: Articulatory and perceptual evidence. *Laboratory Phonology* 11(1), 23.

Conference Posters and Talks

- Aug. 2024 | **Suyuan Liu**, Molly Babel, and Jian Zhu. Comparing voice similarity through acoustics, human perception and deep neural network (DNN) speaker verification systems. 2nd Interdisciplinary Conference on Voice Identity, Marburg, Germany. (talk)
also at
- Sep. 2024 | INTERSPEECH 2024, Kos Island, Greece. (poster)
- Jun. 2024 | **Suyuan Liu** and Molly Babel. Disentangling varying degree of contrast for Mandarin /in/-/iq/ rhymes through word-level patterns. The 19th Conference on Laboratory Phonology, Seoul, Korea. (poster)
- Jan. 2024 | **Suyuan Liu**. Do speech models develop human-like perception? A comparison between English stop voicing classification by humans and wav2vec2. 97th Annual Meeting of the LSA, New York, NY, United States. (talk)
- Aug. 2023 | **Suyuan Liu** and Molly Babel. Perception and production of Mandarin /i/-nasal rhymes. 20th International Congress of Phonetic Sciences, Prague, Czech Republic. (poster)
- May. 2022 | **Suyuan Liu**, Sijia Zhang and Márton Sóskuthy. Evaluating the accuracy of forced alignment across Mandarin varieties. 182nd Meeting of the Acoustical Society of America. Denver, CO, United States (poster, joined online).
also given at
- May. 2022 | 4th Cascadia Workshop in Sociolinguistics. UBC, Vancouver, Canada (talk, online).
- Jun. 2021 | Michelle Kamigaki-Baron, **Suyuan Liu**, Alex Nastevski, Bingqing Yu, Gillian De Boer, Jesse Hawker and Bryan Gick. How do masks affect the way we speak? Association canadienne de linguistique Canadian Linguistic Association 2021. (poster, online)
- Jan. 2020 | **Suyuan Liu**, Matthew Faytak and Megha Sundara. Articulation and perception of Mandarin coda nasals by Shanghainese-Mandarin bilinguals. 94th Annual Meeting of the LSA, New Orleans, LA, United States. (talk)

Invited Talk and Guest Lectures

Invited Talks

Nov. 2024	Phonetics, Phonology, and Psycholinguistics Forum, University of California, Berkley, CA, United States.
May 2021	Nasal coda neutralization in Shanghai Mandarin: Articulatory and perceptual evidence. Linguistics Salon, Fudan University, Shanghai, China.

Guest Lectures

Apr. 2024	Accent and accent modification. LING 209: Clinical Topics in Speech, Language, and Hearing Sciences, University of British Columbia, Vancouver, Canada.
Apr. 2024	Biofeedback. LING 209: Clinical Topics in Speech, Language, and Hearing Sciences, University of British Columbia, Vancouver, Canada.
Mar. 2024	Do speech models develop human-like perception? COGS 401: Seminar in Cognitive Systems, University of British Columbia, Vancouver, Canada. also given at
Nov. 2023	COGS 200: Introduction to Cognitive Systems, University of British Columbia, Vancouver, Canada.
Oct. 2023	LING/PSYC 370A: Psycholinguistic, University of Victoria (online).

Teaching Experience

2023-2024	
T1	TA for LING200 Linguistic Theory and Analysis I
T2	TA for LING314 Articulatory phonetics
2022-2023	
T1	TA for LING100 Intro to Language and Linguistics
T2	TA for LING314 Articulatory phonetics
Summer	TA for LING200 Linguistic Theory and Analysis I
2021-2022	
T1	TA for LING313 Introduction to Phonetics and Speech Science
T2	TA for LING100 Intro to Language and Linguistics
Summer	TA for LING200 Linguistic Theory and Analysis I

Teaching Training

May 2024	Completion of the Teaching Practicum at the Centre for the Integration of Research, Teaching and Learning (CIRTL), UBC
May 2023	Completion of the Summer Teaching Institute at the Centre for the Integration of Research, Teaching and Learning (CIRTL), UBC
March 2023	Completion of the Instructional Skills Workshops at UBC

Research Mentorship Experience

Aug. 2022 –	Al-Shami, J., Influence of lexical items on color perception.
Feb. 2023	The Research EXperience program (REX) at UBC

Employment

Nov. 2022 – present	UBC Language Sciences Institute , Graduate Student Representative Organizing social events, organizing Graduate Students and Postdoctoral Fellow Research Day, connect departments and individuals doing language-related research
Sept. 2021 – present	Language Latitudes: Expanding Our Understanding of Language Attitudes (SSHRC funded) , Graduate Research Assistant Project Team: Dr. Amanda Cardoso, Dr. Molly Babel, Dr. Marie-Eve Bouchard, Dr. Erez Levon, Sarah Lafleur, Line Lloy Organizing three public events, one academic workshop, and workshop series in collaboration with the Vancouver Independent School for Science and Technology (VISST)
Aug. 2019 – Aug. 2020	HERE North America, LLC , Mandarin Chinese and Japanese Annotator
Aug. 2018 – Sept. 2018	Perception Experiment of Hani Language , Field Work Research Assistant Project Leads: Dr. Meng Yang, Dr. Megha Sundara, and Dr. Patricia Keating

Service

Aug. 2022 – Sep. 2024	University of British Columbia, Linguistics Department , Graduate Student Coordinator on Research Seminar and Colloquia series Invite UBC-internal and external speakers, organize UBC linguistics talk series and LinguisticsNOW events in collaboration with the Linguistics Department at Simon Fraser University.
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Languages

Mandarin (Native), English (Fluent), Japanese (Advanced, JLPT N1)

Computing

Python, R, \LaTeX , Praat, C++