

Siyu Liang

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3940 Benton Ln NE, Room 407, Seattle, WA 98105, United States

Research interests

My research interests are phonetics, computational linguistics, field work, as well as historical linguistics and typology. I am particularly interested in low-resource speech NLP, language technology, and quantitative modeling of speech.

Education

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| 2021 – Present | University of Washington – Seattle, WA
Ph.D. in Computational Linguistics
Advisors: Professors Gina-Anne Levow & Richard Wright |
| 2025 | University of Washington – Seattle, WA
M.S. in Computational Linguistics |
| 2020 | Georgetown University – Washington, DC
B.A. in Linguistics with minors in Persian & Computer Science
Advisor: Professor Elizabeth Zsiga |

Presentations

Siyu Liang, Zhaxi Zerong. 2025 (to appear). De-toning Tibetan Dialects: A Computational Perspective on Tibetan Tonogenesis. In *58th International Conference on Sino-Tibetan Languages and Linguistics (ICSTLL 58)*, Bern, Switzerland. (Oral presentation)

Siyu Liang. 2025 (to appear). Acoustic correlates of performed sexual orientation in Thai media. In *New Ways of Analysing Variation Asia Pacific (NWAV-AP 8)*, Singapore. (Oral presentation)

Siyu Liang. 2023. A Phonological Account of Intervocalic Voicing in Yangon Burmese. In *56th International Conference on Sino-Tibetan Languages and Linguistics (ICSTLL 56)*. (Oral presentation)

Siyu Liang. 2021. Incomplete Vowel Assimilation in Tehrani Persian. In *4th Conference of Central Asian Language and Linguistics (ConCALL-4)*. (Oral presentation)

Siyu Liang. 2019. Documentation of Eynu. In *43rd Annual Penn Linguistics Conference (PLC 43)*. (Oral presentation)

Publications

Siyu Liang. 2021. Documenting Eynu: A Case Study of Language Contact. In *Proceedings of the 43rd Annual Penn Linguistics Conference*.

Teaching

Winter 2024	LING 572: Advanced Statistical Methods in Natural Language Processing, University of Washington (Teaching Assistant)
Autumn 2023	LING 570: Shallow Processing Techniques for Natural Language Processing, University of Washington (Teaching Assistant)
Spring 2022	LING 200: Introduction to Linguistics, University of Washington (Teaching Assistant)
Autumn 2021	

Industry experience

Summer 2020	ByteDance (NLP Engineer Intern) – Beijing, China Building a FrameNet-based intent framework for large-scale dialog systems. Developing an extendable symbol set for multilingual NLP tasks.
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Honors and scholarships

2024	Imre Boba Summer Research Fellowship (\$1000, University of Washington)
2021	ConCALL-4 Travel Award (\$500)
2019	Royden B. Davis Fellowship (\$5000, Georgetown University)
2018	Lisa J. Raines Fellowship (\$5000, Georgetown University)

Talks and tutorials

- 2025 Languages of the Silk Road (Guest lecture)
MELC 268: Silk Road and Globalization, Spring 2025, University of Washington
- 2024 Tibetan Music (Guest lecture)
MELC 269: Music Cultures of the Silk Road, Winter 2024, University of Washington

Mentorship

- Winter & Ezra Mason, LING 499A on *Automatic Segmentation of Tuvan*
Spring 2025

Technical skills

Programming languages

Proficient in: Python.

Familiar with: C++, Java, JavaScript, R.

Software

ELAN, Praat

Natural Languages

Mandarin (proficient), English (proficient), Persian (advanced), French (reading), Thai (intermediate), Tibetan (intermediate), Vietnamese (intermediate), Indonesian (intermediate), Japanese (intermediate), Burmese (elementary), etc.