

# Roger Yu-Hsiang Lo

## CURRICULUM VITAE

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## Education

2016–2022	University of British Columbia Ph.D. candidate at Department of Linguistics <ul style="list-style-type: none"><li>Thesis title: <i>Post-stop fundamental frequency perturbation in production and perception of English and Mandarin stop voicing</i></li><li>Committee: Kathleen Currie Hall (chair), Molly Babel, Márton Sóskuthy</li></ul>
2014–2016	Leiden University Research Master in Linguistics, <i>cum laude</i> <ul style="list-style-type: none"><li>Thesis title: <i>Dutch and Swedish again: On interaction between object movement and again-ambiguities</i> [pdf]</li><li>Advisor: Crit L. J. M. Cremers</li></ul>
2008–2013	National Taiwan University Bachelor of Science from Department of Chemistry (Linguistics minor) <ul style="list-style-type: none"><li>GPA: 3.79/4.00</li></ul>

## Research Interests

- Cue-weighting in speech production and perception
- Bayesian data analysis
- Prosody of rhetorical questions in Chinese languages
- Natural language processing

## Research Grants & Awards

2022	Statistical consultant for Molly Babel (UBC)
2021–2022	Research Assistantship with Marie-Eve Bouchard (UBC)
2021–2022	Taiwanese Overseas Pioneers Grants
2021	St. John's College George Shen Fellowship
2020–2022	Research Assistantship with Márton Sóskuthy (UBC)
2020–2021	Research Assistantship with Anne-Michelle Tessier (UBC)
2020	Public Scholar Initiative (UBC)
2019	St. John's College Research Travel Scholarship
2019	LSA Institute Fellowship
2019	Arts Graduate Student Research Awards (UBC) <ul style="list-style-type: none"> <li>◦ Project title: <i>Prosody of rhetorical questions in Cantonese</i></li> </ul>
2018–2022	Research Assistantship with Kathleen Currie Hall (UBC) <ul style="list-style-type: none"> <li>◦ Project title: <i>Tools for analyzing sign language hand configurations</i></li> </ul>
2018–2019	Jacobs Research Fund Group Grant <ul style="list-style-type: none"> <li>◦ With Bruno Andreotti, Daniel Reisinger, Kaining Xu, and Gloria Mellesmoen</li> <li>◦ Project title: <i>From sounds to meanings: Further explorations in ʔayʔaʃuθəm</i></li> </ul>
2018	LabPhon16 Student Travel Grant
2018	St. John's College Research Travel Scholarship
2017–2018	Research Assistantship with Molly Babel (UBC)
2017–2018	Jacobs Research Fund Group Grant <ul style="list-style-type: none"> <li>◦ With Bruno Andreotti, Gloria Mellesmoen, Daniel Reisinger, Kaining Xu, and Henry Davis</li> <li>◦ Project title: <i>Explorations in the grammar of ʔayʔaʃuθəm</i></li> </ul>
2016–Present	Four Year Fellowship (UBC)
2016–Present	International Partial Tuition Scholarship (UBC)
2016–2017	Research Assistantship with Gunnar Ó. Hansson (UBC)
2012	Scholarship for Excellent Students to Study Abroad <ul style="list-style-type: none"> <li>◦ Support for exchange program at Masaryk University in Czech Republic</li> </ul>
2011	College Student Research Scholarship <ul style="list-style-type: none"> <li>◦ Support for phonetic research with Janice Fon</li> </ul>

## Publications

- Roger Yu-Hsiang Lo.** To appear. The dual role of post-stop fundamental frequency in the production and perception of stops in Mandarin-English bilinguals. *Frontiers in Communication*.
- Hall, Kathleen Currie, J. Scott Mackie, and **Roger Yu-Hsiang Lo.** 2022. Managing and analyzing data with *Phonological CorpusTools*. In *The open handbook of linguistic data management*, ed. Andrea L. Berez-Kroeker and Bradley McDonnell and Eve Koller and Lauren B. Collister, chapter 51, 575–587. Cambridge, MA: MIT Press. [url].
- Lo, Roger Yu-Hsiang,** and Garrett Nicolai. 2021. Linguistic knowledge in multilingual grapheme-to-phoneme conversion. In *Proceedings of the Seventeenth SIGMORPHON Workshop on Computational Research in Phonetics, Phonology, and Morphology*, 131–140. Online: Association for Computational Linguistics. [url].
- Hall, Kathleen Currie, J. Scott Mackie, and **Roger Yu-Hsiang Lo.** 2019. *Phonological CorpusTools*: Software for doing phonological analysis on transcribed corpora. *International Journal of Corpus Linguistics* 24:522–535.
- Huijsmans, Marianne, Daniel K. E. Reisinger, **Roger Yu-Hsiang Lo,** and Kaining Xu. 2018. A preliminary sketch of determiners in ʔayʔajuθəm. In *Wa7 xweysás i nqwal’utteniha i ucwalmícwa: He loves the people’s languages: Essays in honour of Henry Davis*, ed. Lisa Matthewson, Erin Guntly, and Michael Rochemont, chapter 22, 327–338. Vancouver, BC: UBCOPL.
- Johnson, Khia A., Gloria M. Mellesmoen, **Roger Yu-Hsiang Lo,** and Bryan Gick. 2018. Prior pronunciation knowledge bootstraps word learning. *Frontiers in Communication* 3:1–9. [url].
- Lo, Roger Yu-Hsiang,** and D. K. E. Reisinger. 2018. Exploring the status of degrees in ʔayʔajuθəm. In *Proceedings of the Tenth Conference on the Semantics of Under-Represented Languages in the Americas*, ed. Kimberly Johnson and Alexander Göbel, 117–132. Amherst, MA: GLSA. [url].
- Lo, Roger Yu-Hsiang.** 2017. Not all there: The interactions of negation and universal quantifier ʔukʷ in ʔayʔajuθəm. In *Papers for the Fifty-Second International Conference on Salish and Neighbouring Languages*, ed. Andrei Anghelescu, Michael Fry, Marianne Huijsmans, and Daniel Reisinger, 137–149. [pdf].
- Reisinger, Daniel K. E., and **Roger Yu-Hsiang Lo.** 2017. ʔayʔajuθəm: A degreeless language. In *Papers for the Fifty-Second International Conference on Salish and Neighbouring Languages*, ed. Andrei Anghelescu, Michael Fry, Marianne Huijsmans, and Daniel Reisinger, 225–243. [pdf].

## Conference Presentations

- 2022 **Lo, Roger Yu-Hsiang**, Melissa Wang, Michelle Kamigaki-Baron, Noah Luntzlara, and Márton Sóskuthy. Vowels are “stretchier” than consonants: A cross-linguistic corpus study of the segmental implementation of articulation rate. LabPhon18: Phonology in a Rapidly Changing World. Oral Presentation. Online: June 22–25, 2022.
- 2021 **Lo, Roger Yu-Hsiang**, Justin Leung, and Angelika Kiss. Perceiving rhetorical questions in Cantonese. The 4th Forum on Cantonese Linguistics. Oral Presentation. Online: May 29, 2021.
- 2020 Kathleen Currie Hall, **Roger Yu-Hsiang Lo**, and Stanley Nam. Developing and maintaining the *Phonological CorpusTools* software. The 179th Meeting of the Acoustical Society of America. Oral Presentation. Online: December 7–11, 2020.
- 2020 Angelika Kiss and **Roger Yu-Hsiang Lo**. Rhetorical *wh*-questions differing in inquisitiveness: Evidence from Mandarin prosody. *Sinn und Bedeutung* 25. Oral Presentation. London: September 3–5, 2020.
- 2020 **Lo, Roger Yu-Hsiang**, Angelika Kiss, and Maxime Tulling. Individual variation in the prosody of Cantonese rhetorical questions. LabPhon17: Laboratory Phonology on the Margins. Oral Presentation. Vancouver: July 6–8, 2020.
- 2020 **Lo, Roger Yu-Hsiang** and Angelika Kiss. Durational and pitch marking of rhetorical *wh*-questions in Mandarin. The 10th International Conference on Speech Prosody. Tokyo: May 24–28, 2020.
- 2019 **Lo, Roger Yu-Hsiang** and Kathleen Currie Hall. SLP-AA: Tools for sign language phonetic and phonological research. Show & Tell. The 20th Annual Conference of the International Speech Communication Association INTERSPEECH 2019. Graz: September 15–19, 2019.
- 2019 **Lo, Roger Yu-Hsiang**, Angelika Kiss, and Maxime Tulling. The prosodic properties of the Cantonese sentence-final particles *aa1* and *aa3* in rhetorical *wh*-questions. Oral Presentation. International Congress of Phonetic Sciences (ICPhS) 2019. Melbourne: August 5–9, 2019.
- 2019 **Lo, Roger Yu-Hsiang**, Angelika Kiss, and Maxime Tulling. The prosody of Cantonese information-seeking and negative rhetorical *wh*-questions. Oral Presentation. Canadian Linguistic Association. Vancouver, BC: June 1–3, 2019.
- 2018 **Lo, Roger Yu-Hsiang** and Kathleen Currie Hall. The influence of functional load on Cantonese lexical tone perception. Poster Presentation. LabPhon16: Variation, development and impairment: Between phonetics and phonology. Lisbon: June 19–22, 2018.
- 2018 **Lo, Roger Yu-Hsiang** and Daniel K. E. Reisinger. Exploring the status of degrees in ʔayʔa-ʃuθəm. Oral Presentation. Semantics of Under-Represented Languages in the Americas (SULA) 10. Toronto, ON: May 4–6, 2018.
- 2017 Johnson, Khia A., Gloria M. Mellesmoen, **Roger Yu-Hsiang Lo**, and Bryan Gick. Help or hinder? The complicated role of pronunciation knowledge in word learning. Oral Presentation. Pronunciation in Second Language Learning & Teaching 9th Annual Conference. Salt Lake City, UT: September 1–2, 2017.
- 2017 **Lo, Roger Yu-Hsiang**. On the derivation of Mandarin A-not-A and alternative questions. Oral Presentation. The 33rd Northwest Linguistics Conference. Vancouver, BC: May 5–7, 2017.
- 2017 Reisinger, Daniel K. E., **Roger Yu-Hsiang Lo**, and Christian Epp. The preposition-like verb *hu* in ʔayʔaʃuθəm comparative constructions. Poster Presentation. The 22nd Workshop on Structure and Constituency in Languages of the Americas. Vancouver, BC: April 21–23, 2017

## Talks & Guest Lectures

2021	<b>Lo, Roger Yu-Hsiang.</b> Pitch in Mandarin: A double-edged sword. LOC Colloquium.
2018	<b>Lo, Roger Yu-Hsiang.</b> The influence of functional load on Cantonese lexical tone perception. Vancouver Phonology Group.
2018	<b>Lo, Roger Yu-Hsiang</b> and Tomoharu Hirota. Language: Change & revitalization. St. John's College Junior Fellows Speakers Series.
2018	<b>Lo, Roger Yu-Hsiang</b> and Kathleen Currie Hall. Phonological CorpusTools: Take the stress out of corpus analysis!. Guest lecture for LING 531 Field Methods in Linguistics (taught by Rose-Marie Déchaine).

## Research Experience

2021–2022	Research assistant under supervision of Marie-Eve Bouchard (UBC)
2020–2022	Research assistant under supervision of Márton Sóskuthy (UBC)
2017–2022	Research assistant under supervision of Kathleen Currie Hall (UBC) <ul style="list-style-type: none"><li>◦ Sign Language Phonetic Annotator+Analyzer</li><li>◦ Phonological CorpusTools: Take the stress out of the corpus analysis</li></ul>
2017–2018	Research assistant under supervision of Molly Babel (UBC)
2016–2017	Research assistant under supervision of Gunnar Ó. Hansson (UBC) <ul style="list-style-type: none"><li>◦ SSHRC Grant: Long-Distance Phonotactics: Learning Bias, Change and Typology</li></ul>
2016	Research internship under supervision of Zeshu Shao (Max Planck Institute for Psycholinguistics)
2015	Research assistant under supervision of Lisa Cheng (Leiden University)
2014–2015	Research assistant under supervision of Yiya Chen and Lesya Ganushchak (Leiden University)
2011–2012	Research assistant under supervision of Jia-Ling Hsu (National Taiwan University)

## Work Experience

2020	Data Science for Social Good Fellowship Program, UBC
2019–2020	Teaching Assistantship, Master of Data Science in Computational Linguistics, UBC Courses: <i>Corpus Linguistics, Algorithms &amp; Data Structures, Parsing for Computational Linguistics, Computational Semantics, Computational Morphology, Privacy, Ethics &amp; Security</i>
2013–2014	Alternative Civilian Service Draftee (firefighting services), Taichung Airport

## Professional Activities

- Chair, St. John's College Academic Committee, 2019–2020.
- Editor, *Proceedings of the Workshop on Structure and Constituency in the Languages of the Americas*, 2018–2019.
- Editor, *Papers for the International Conference on Salish and Neighbouring Languages*, 2017–2018.

- Treasurer, UBC Working Papers in Linguistics, 2018–Present.

## Other Education

2019	LSA Linguistic Institute, University of California, Davis, CA <ul style="list-style-type: none"> <li>◦ Courses: <i>Computational Psycholinguistics, Information-Theoretic Approaches to Linguistics, Modeling Linguistic Networks, Gesture and Sign Language Analysis</i></li> </ul>
2015	LOT Summer School in Linguistics, KU Leuven, Leuven <ul style="list-style-type: none"> <li>◦ Courses: <i>Language Variation and Change, Acquisition of Phonology: Evidence from Perception and Production, How to Improve Your Statistics, A Cognitive Perspective on Question Answering and Questionnaire Design</i></li> </ul>
2012–2013	International Student Exchange Program, Masaryk University, Brno <ul style="list-style-type: none"> <li>◦ Department of English and American Studies</li> </ul>

## Natural Language Fluencies

Taiwanese	native
Mandarin	native
English	fluent (TOEFL: 113, IELTS: 8.5)
Dutch	intermediate (four semesters with study abroad)
Japanese	intermediate (four semesters)
Czech	beginner (two semesters)
American Sign Language	beginner
ʔayʔaʃuθəm	fieldwork

## Computer Skills

Python, R, Praat, Javascript, Java, Stan, C, C++, Julia, E-Prime, LaTeX, Git (version control)