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Jonathan Havenhill
CURRICULUM VITAE • APRIL 2024

employment

The University of Hong Kong — Aug. 2018–present — Hong Kong
Assistant Professor, Department of Linguistics

Georgetown University — Fall 2017 — Washington, DC
Teaching Associate

Genesys Telecommunications Laboratories, Inc. — Aug. 2014–Dec. 2017 — Chantilly, VA
Speech Scientist

education

Georgetown University – Washington, DC — July 2018
- PhD in Theoretical Linguistics
- Dissertation: Constraints on articulatory variation: Audiovisual perception of lip rounding (Advisor: Elizabeth C. Zsiga)

Georgetown University – Washington, DC — Jan. 2015
- MS in Linguistics

Linguistic Society of America Summer Institute – Ann Arbor, MI — Summer 2013
- Linguistic Society of America Fellowship Recipient

Grand Valley State University – Allendale, MI — April 2012
- BA in German and English Language & Literature
- Minor in Applied Linguistics

Ludwig-Maximilians-Universität München – Munich, Germany — Oct. 2010–Aug. 2011
- Completed two semesters of coursework in Linguistics and German Studies through the Junior Year in Munich program

external funding

General Research Fund, Hong Kong Research Grants Council, HK$1,059,558 — 2023-26
PI: *Sociophonetic variation in Hong Kong and Heritage Cantonese: Understanding phonological representation and sound change in multilingual communities*

Early Career Scheme, Hong Kong Research Grants Council, HK$641,000 — 2022-25
PI: *Perception and articulation of Cantonese vowel contrasts by native speakers of English and Mandarin*

publications & presentations

Edited Volume

LIGHTFOOT, DAVID W., and JONATHAN HAVENHILL (eds.) 2019. *Variable properties in language: Their nature and acquisition.* Washington, DC: Georgetown University Press.

Papers

HAVENHILL, JONATHAN, and PING HEI YEUNG. Under review. Contextual and interspeaker variability in the production of the Hong Kong Cantonese sibilants: A dynamic articulatory and acoustic study.

CAO, PENG, WENTING JIANG, CHANGHE CHEN, YIANG WANG, and JONATHAN HAVENHILL. Under review. Self-navigated subspace reconstruction for real-time MR imaging of the vocal tract.

HAVENHILL, JONATHAN, MING LIU, ROBERT MARCELO SEVILLA, J. JOSEPH PERRY, and ARTHUR LEWIS THOMPSON. In prep. Gestural timing in consonant-vowel interaction: Sonorant occlusivization in Shakou Hakka.

CHEN, CHANGHE, and JONATHAN HAVENHILL. In prep. Articulation of nasal vowels in Chaoshan Chinese.

CHEN, CHANGHE, and JONATHAN HAVENHILL. In prep. Harsh voice and its interaction with vowel height in Fuzhou Min Chinese.

HAVENHILL, JONATHAN. Under review. Audiovisual enhancement of vowel contrast: Production and perception of the COT-CAUGHT contrast in Chicago.

HAVENHILL, JONATHAN. 2024. Articulatory and acoustic dynamics of fronted back vowels in American English. *The Journal of the Acoustical Society of America* 155.2285–2301. doi:10.1121/10.0025461.

HAVENHILL, JONATHAN, MING LIU, and TAK WANG LI. 2023. Articulation of Cantonese and English sibilants among bilingual speakers in Hong Kong. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS 2023)*. Prague, Czech Republic.

CHEN, CHANGHE, and JONATHAN HAVENHILL. 2023. Articulation of the nasal vowels in Shanghai Chinese. *Proceedings of the 20th International Congress of Phonetic Sciences (ICPhS 2023)*. Prague, Czech Republic.

DO, YOUNGAH, JONATHAN HAVENHILL, and SUI LUNG SZE. 2023. Variation learning in syntax and phonology. *Cognition* 239.105573. doi:10.1016/j.cognition.2023.105573.

DO, YOUNGAH, and JONATHAN HAVENHILL. 2021. Production and substantive bias in phonological learning. *Proceedings of the 2020 Annual Meeting on Phonology*, ed. by Ryan Bennett, Richard Bibbs, Mykel Loren Brinkerhoff, Max J. Kaplan, Stephanie Rich, Nicholas Van Handel, and Maya Wax Cavallaro. Washington, DC: Linguistic Society of America.

HAVENHILL, JONATHAN. 2019. Articulatory strategies for back vowel fronting in American English. *Proceedings of the 19th International Congress of Phonetic Sciences, Melbourne, Australia 2019*, ed. by Sasha Calhoun, Paola Escudero, Marija Tabain, and Paul Warren, 1540–1544. Canberra, Australia: Australasian Speech Science and Technology Association Inc.

HAVENHILL, JONATHAN, and YOUNGAH DO. 2018. Visual speech perception cues constrain patterns of articulatory variation and sound change. *Frontiers in Psychology* 9.728. doi:10.3389/fpsyg.2018.00728.

HAVENHILL, JONATHAN. 2016. Relative clauses in Bavarian: A distributed morphology approach to morpho-syntactic variation. *Proceedings of the 50th Annual Meeting of the Chicago Linguistic Society*. Chicago, IL: University of Chicago.

HAVENHILL, JONATHAN. 2015. An ultrasound analysis of the low back vowels in the Northern Cities Vowel Shift. *Proceedings of the 18th International Congress of Phonetic Sciences*, ed. by The Scottish Consortium for ICPhS 2015. Glasgow, UK: University of Glasgow.

HAVENHILL, JONATHAN. 2015. Maintenance of the COT-CAUGHT contrast among Detroit speakers: A multimodal articulatory analysis. *University of Pennsylvania working papers in linguistics, Selected papers from NWAV 43*, vol. 21. Philadelphia, PA: University of Pennsylvania.

Havenhill, Jonathan. 2014. Accounting for Bavarian relative pronoun omission with variable Impoverishment. *Georgetown University working papers in theoretical linguistics, Vol. VIII*, ed. by Shreya Mukherji, Laura Siebecker, and Brett Sutton. Washington, DC: Georgetown University.

Conference Presentations

Havenhill, Jonathan, Ming Liu, Robert Marcelo Sevilla, J. Joseph Perry, and Arthur Lewis Thompson. 2024. Phonetic motivations for sonorant occlusivization in Shakou Hakka. Paper to be presented at the 12th International Conference of the European Association of Chinese Linguistics (EACL 12), Roma Tre University, Italy.

Havenhill, Jonathan, Madeleine Oakley, and Ming Liu. 2024. Articulatory-acoustic dynamics in naïve listener imitation of Cantonese vowels. Paper to be presented at the 19th Conference of the Association for Laboratory Phonology (LabPhon19), Seoul, South Korea.

Liu, Ming, and Jonathan Havenhill. 2024. Syllable-based or word-based? Representation of tones undergoing merger in Hakka. Poster to be presented at the 19th Conference of the Association for Laboratory Phonology (LabPhon19), Seoul, South Korea.

Cao, Peng, Wenting Jiang, Changhe Chen, Yiang Wang, and Jonathan Havenhill. 2024. Self-navigated subspace reconstruction for real-time MRI speech tracking. Poster to be presented at the 2024 International Society for Magnetic Resonance in Medicine and International Society for MR Radiographers & Technologists Annual Meeting & Exhibition, Singapore.

Havenhill, Jonathan, Ming Liu, Robert Marcelo Sevilla, J. Joseph Perry, and Arthur Lewis Thompson. 2023. Articulatory and acoustic characteristics of occlusivized sonorants in Shakou Hakka. Paper presented at Acoustics 23: Joint Meeting of the Acoustical Society of America, Australian Acoustical Society and WESPAC, Sydney, Australia.

Havenhill, Jonathan, and Ming Liu. 2023. Gestural timing in naïve listener imitation of Cantonese vowels. Poster presented at Acoustics 23: Joint Meeting of the Acoustical Society of America, Australian Acoustical Society and WESPAC, Sydney, Australia.

Havenhill, Jonathan, and Baichen Du. 2023. Visual cues in sound change: A cross-modal perceptual account for the typological rarity of labial palatalization. Poster presented at Acoustics 23: Joint Meeting of the Acoustical Society of America, Australian Acoustical Society and WESPAC, Sydney, Australia.

Havenhill, Jonathan, Ming Liu, and Shuang Zheng. 2023. Cross-linguistic variability in audiovisual enhancement of coronal consonants. Poster presented at Acoustics 23: Joint Meeting of the Acoustical Society of America, Australian Acoustical Society and WESPAC, Sydney, Australia.

Havenhill, Jonathan, Ming Liu, and Tak Wang Li. 2023. Articulation of Cantonese and English sibilants among bilingual speakers in Hong Kong. Paper presented at the 20th International Congress of Phonetic Sciences (ICPhS 2023), Prague, Czech Republic.

Chen, Changhe, and Jonathan Havenhill. 2023. Articulation of the nasal vowels in Shanghai Chinese. Poster presented at the 20th International Congress of Phonetic Sciences (ICPhS 2023), Prague, Czech Republic.

HAVENHILL, JONATHAN, MING LIU, SHUANG ZHENG, and JONAH LACK. 2023. Audiovisual enhancement in clear speech production of English laterals. Poster presented at the 2023 Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2023), Hanyang University, Seoul.

CHEN, CHANGHE, and JONATHAN HAVENHILL. 2023. Vowel nasality and nasal excrescence in Shanghai Chinese. Poster presented at the 2023 Hanyang International Symposium on Phonetics and Cognitive Sciences of Language (HISPhonCog 2023), Hanyang University, Seoul.

DO, YOUNGAH, JONATHAN HAVENHILL, and SUI LUNG SZE. 2022. Child acquisition of syntactic and phonological variation. Poster presented at the Third Angus McIntosh Centre Symposium: Change in syntax and phonology: the same or different?, University of Edinburgh.

CHEN, CHANGHE, and JONATHAN HAVENHILL. 2022. Lingual gestures of the oral-nasal vowel contrast in Chaoshan Chinese. Paper presented at the 18th Conference of the Association for Laboratory Phonology (LabPhon18), Virtual.

DO, YOUNGAH, JONATHAN HAVENHILL, and SUI LUNG SZE. 2022. Free variation learning in syntax and phonology. Poster presented at the 18th Conference of the Association for Laboratory Phonology (LabPhon18), Virtual.

YEUNG, PING HEI, and JONATHAN HAVENHILL. 2021. Acoustic ambiguity leads to articulatory reanalysis: Affricate palatalization in Hong Kong Cantonese. Paper presented at the 33rd North American Conference on Chinese Linguistics (NACCL 33), University of Chicago [virtual].

DO, YOUNGAH, and JONATHAN HAVENHILL. 2020. Production and substantive bias in phonological learning. Paper presented at the 2020 Annual Meeting on Phonology (AMP 2020), University of California, Santa Cruz [virtual].

HAVENHILL, JONATHAN. 2020. Visually-oriented enhancement of vowel contrast in the Northern Cities Shift. Poster presented at the 17th Conference of the Association for Laboratory Phonology (LabPhon17), Vancouver, BC [virtual].

DO, YOUNGAH, JONATHAN HAVENHILL, and ROBERT MARCELO SEVILLA. 2020. Production vs. perception in implicit learning of unnatural phonological alternations. Poster presented at the 94th Annual Meeting of the Linguistic Society of America, New Orleans, LA.

HAVENHILL, JONATHAN. 2019. Articulatory strategies for back vowel fronting in American English. Paper presented at the 19th International Congress of Phonetic Sciences (ICPhS 2019), Melbourne, Australia.

HAVENHILL, JONATHAN. 2018. Audiovisual cue enhancement in the production and perception of the COT-CAUGHT contrast. Paper presented at the 47th New Ways of Analyzing Variation (NWAV47), New York, NY.

HAVENHILL, JONATHAN. 2018. Articulation and enhancement of fronted back vowels in American English. Poster presented at the 16th Conference of the Association for Laboratory Phonology (LabPhon16), Lisbon, Portugal.

HAVENHILL, JONATHAN, ELIZABETH C. ZSIGA, ONE TLALE BOYER, and STACY PETERSEN. 2017. Ultrasound as a tool for language documentation: The production of labio-coronal fricatives in Setswana. Paper presented at Ultrafest VIII, Potsdam, Germany.

HAVENHILL, JONATHAN, ELIZABETH C. ZSIGA, ONE TLALE BOYER, and STACY PETERSEN. 2017. The labio-coronal fricative in Setswana: Its features and articulation. Poster presented at the 2017 Annual Meeting on Phonology (AMP 2017), New York, NY.

HAVENHILL, JONATHAN, and YOUNGAH DO. 2016. The role of visual speech cues in sound change: A study of the COT-CAUGHT contrast among Michigan speakers. Poster presented at the 5th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan (ASA 172), Honolulu, HI.

DO, YOUNGAH, ELIZABETH ZSIGA, and JONATHAN HAVENHILL. 2016. Frequency and naturalness in implicit phonological learning. Paper presented at the 90th Annual Meeting of the Linguistic Society of America, Washington, DC.

HAVENHILL, JONATHAN. 2015. An ultrasound analysis of the low back vowels in the Northern Cities Vowel Shift. Paper presented at the 18th International Congress of Phonetic Sciences (ICPhS 2015), Glasgow, Scotland.

HAVENHILL, JONATHAN. 2014. Maintenance of the COT-CAUGHT contrast among Detroit speakers: A multimodal articulatory analysis. Poster presented at the 43rd New Ways of Analyzing Variation (NWAV43), University of Illinois, Chicago.

HAVENHILL, JONATHAN. 2014. Relative clauses in Bavarian: A distributed morphology approach to morphosyntactic variation. Paper presented at the 50th Annual Meeting of the Chicago Linguistic Society (CLS 50), University of Chicago.

HAVENHILL, JONATHAN. 2014. Relative clauses in Bavarian: A distributed morphology approach to morphosyntactic variation. Paper presented at the Berkeley Germanic Linguistics Roundtable, University of California, Berkeley.

HAVENHILL, JONATHAN. 2012. Change in the vowel system of Munich: An exploratory case study. Paper presented at the 6th Annual Grand Rapids Honors Student Research Conference at Calvin College, Grand Rapids, MI.

Invited Talks

HAVENHILL, JONATHAN. 2023. Language variation and bilingualism in Hong Kong: Insights from sibilant production in Cantonese and English. Seminar presented at the Chinese University of Hong Kong.

HAVENHILL, JONATHAN. 2020. Ultrasound tongue imaging in first and second language learning. Seminar presented at the Hong Kong Baptist University Language Centre.

HAVENHILL, JONATHAN. 2018. Visual speech cues in language variation and change. Seminar presented at the University of Hong Kong.

HAVENHILL, JONATHAN. 2017. Introduction to ultrasound for linguistic research. Seminar presented at the University of South Carolina.

internal funding		
Seed Fund for Basic Research, HKU: *Real-time Magnetic Resonance Imaging of nasal vowel production in Chinese languages*, HK$86,000		2023
Faculty Mentoring Fund, HKU Faculty of Arts: *Real-time MRI study of speech production in Chinese*, HK$50,000		2022
Seed Fund for Basic Research, HKU: *Production and perception of vowel contrasts by second language learners of Cantonese, English, and Mandarin*, HK$49,410		2020
Seed Fund for Basic Research, HKU: *Machine learning tools for analysis of articulatory speech data*, HK$97,060		2019
Startup Funding, HKU Faculty of Arts, HK$180,000		2019

Seed Fund for Basic Research for New Staff, HKU: *Audiovisual Perception of Consonant Contrast*, HK$149,886   2019

Arrival Scheme, HKU School of Humanities, HK$35,000   2018

Research Infrastructure Award, Georgetown University: *Ultrasound Imaging Equipment for Linguistics Laboratory*, $10,972   2016

teaching **As Instructor of Record**

LING 2004: Phonetics (HKU, undergraduate)	Fall 2018, 19, 20, 21, 22
LING 2012: Experimental Phonetics (HKU, undergraduate)	Spring 2019, 20, 23
LING 2066: Variation Analysis (HKU, undergraduate)	Spring 2020, 21, 24; Fall 21
LING 3002: Extended Essay (HKU, undergraduate)	Spring 2020; Fall 20, 21
LING 3006: Practicum: Laboratory Linguistics (HKU, undergraduate)	Spring 2021, 23
LING 7004: Phonetics and Phonology (HKU, graduate)	Fall 2019

  - Co-taught with Youngah Do

LING 7006: Readings in Linguistics (HKU, graduate)	Fall 2018
LING 410: Phonetics (Georgetown, graduate)	Fall 2017

As Teaching Assistant

LING 414: Sociophonetics (graduate), Dr. Jennifer Nycz	Spring 2018

  - Guest lecture: Liquids and ultrasound analysis

LING 411: Phonology I (graduate), Dr. Youngah Do	Spring 2016

  - Guest lectures: Rule ordering

LING 481: Sociolinguistic Variation (graduate), Dr. Jennifer Nycz	Fall 2015

  - Guest lectures: Multivariate analysis in sociolinguistics, Statistical analysis in R

LING 411: Phonology I (graduate), Dr. Elizabeth Zsiga	Spring 2015

  - Guest lectures: Phonotactics, Phonological Alternations, Phonological Features

SPAN 527: Generative Syntax I (graduate), Dr. Héctor Campos	Fall 2014

  - Guest lectures: Subjacency and Parameterization, Squib writing

LING 001: Intro to Language (undergraduate), Dr. Jennifer Sclafani	Fall 2013

  - Guest lectures: Sociolinguistics and Variation, Speech Perception

Workshops and Guest Lectures

- Praat scripting workshop (Georgetown), Spring 2015 and Fall 2017

- Ultrasound data collection and analysis workshop (Georgetown), Fall 2016

- Annual LaTeX for Linguists workshop (Georgetown), Fall 2013–2015

- Multiple Articulations: Vowels and Fricatives, presented in LIGN 110: Phonetics at UC San Diego, Nov. 2017

- Ultrasound Tongue Imaging, presented in LING 410: Phonetics at Georgetown University, Oct. 2015

- Phonetic and Phonological Variation, presented in LING 215: Sounds of Language at Georgetown University, Mar. 2014

PhD Supervision

- Chen Changhe (expected 2024), "An articulatory study of oral-nasal vowel contrasts in Sinitic languages"

MPhil Supervision

- Liu Ming (expected 2024), title TBD

Research Postgraduate Co-supervision

- Tan Lihui (PhD, expected 2027), title TBD

- Wang Zhihao (PhD, expected 2026), title TBD

- Zheng Shuang (PhD, expected 2026), title TBD

- Yu Xiaoyu (PhD, expected 2025), title TBD

- Robert Marcelo Sevilla (PhD, 2022), "Studies on the Xiang dialects: Typology and transitional grammar"

- Enoch Wong Chi Lok (MPhil, 2022), "Anger detection in speech data using machine learning methods"

Internal Examiner, PhD Theses

- Saira Ambreen (PhD, 2023), "The development of speech sounds and phonetic complexity in Urdu-speaking children"

- Kwesi Abraham Bisilki (PhD, 2022), "Aspects of the grammar of Likpakpaanl: A Mabia (Gur) language spoken in Ghana"

- Huang Tingyu (PhD, 2021), "Phonological biases in the learning of tonal and segmental alternations"

- Arthur Lewis Thompson (PhD, 2019), "Movement as meaning: An articulatory approach to iconicity in ideophones"

MA Dissertation Supervision

Zhang Bosen (2024), Qian Wenqing (2023), Ho Chu Yan (2021), Lu Jie (2021), Qu Chang (2021), Zhang Xiaofeng (2020), Li Xianpeng (2019)

BA Extended Essay Supervision

Wayne Li Tak Wang (2021), Parco Au Pak Man (2020), Felix Yeung Ping Hei (2020)

Peer Review

- **Journals**: Journal of the International Phonetic Association (JIPA), Glossa, Language and Speech, Journal of Speech, Language, and Hearing Research

- **Conferences**: International Congress of Phonetic Sciences (ICPhS), Conference on Laboratory Phonology (LabPhon), Linguistic Society of America Annual Meeting (LSA), Architectures and Mechanisms for Language Processing Asia (AMLaP-Asia), Georgetown University Round Table on Languages & Linguistics (GURT)

- **Book Proposals**: Oxford University Press, Wiley-Blackwell

- **Grant Proposals**: SCOLAR Research and Development Projects (Education Bureau, HKSAR)

- **Miscellaneous**: Linguistic Society of Hong Kong (LSHK) Outstanding Thesis Award

Conference Organization

Organizing committee, 2017 Georgetown University Round Table on Languages & Linguistics

Internal Service at HKU

- Undergraduate Coordinator, Department of Linguistics (July 2022-Present)

- Undergraduate Curriculum Review Team, Linguistics BA (2023-24)

- Faculty Human Resource Committee, Faculty of Arts (July 2020 - July 2024)

- Research Postgraduate Coordinator, Department of Linguistics (January 2021-December 2021)

- Department of Linguistics Executive Assistant search committee member

skills **Programming**: Python, R, Praat script, LaTeX, HTML/CSS

Languages: English (native), German (advanced, TestDaF 4-5), Cantonese (beginner)

Research Tools: Ultrasound Tongue Imaging, Articulate Assistant Advanced, DeepLabCut, Edgetrak, PsychoPy, SuperLab, SLURM, Experigen, Amazon Mechanical Turk

awards & honors

- Acoustical Society of America: Student Travel Subsidy	2016
- International Phonetic Association: Gösta Bruce Memorial Scholarship for ICPhS	2015
- GU Graduate School of Arts & Sciences: Competitive Travel Grant	2015, 16, 17
- GU Department of Linguistics: Graduate Student Travel Grant	2014, 15, 16, 17, 18
- NWAV43: Honorable Mention, Best Student Poster	2014
- Linguistic Society of America: Linguistic Institute Fellowship	2013
- GU Graduate Fellowship	2013–2018
- GVSU Frederik Meijer Honors College Graduate	2012

professional membership

- Association for Laboratory Phonology	since 2018
- Acoustical Society of America	since 2016
- International Phonetic Association	since 2015
- Linguistic Society of America	since 2013
- Georgetown University PhonLab	2014-2018
- Georgetown University Graduate Student Linguistics Association	2012-2018
- Co-organizer of Linguistic Research Tool Workshop series	