

Charles H. Redmon

PERSONAL INFORMATION	 Language and Brain Lab University of Oxford Oxford, UK, OX1 2HG  charles.redmon@ling-phil.ox.ac.uk  www.chredmon.com  www.gitlab.com/redmonc	
EXPERIENCE	University of Oxford <i>Language and Brain Laboratory</i> Postdoctoral Research Assistant	2020 – present
	University of Kansas <i>Department of Linguistics</i> Graduate Teaching Assistant	2016–2019
	<i>Center for Research Methods and Data Analysis</i> Graduate Research Assistant	2017–2018
	The English and Foreign Languages University, Hyderabad Research Associate, UGC Major Research Project	2015
	Supstat Analytics, Inc. Instructor, Analyst	2014
	Indian Institute of Technology, Guwahati Research Intern	2013
EDUCATION	University of Kansas Ph.D., Linguistics (Advisor: Dr. Allard Jongman) M.A., Linguistics	2020 2017
	The English and Foreign Languages University, Hyderabad M.A., Linguistics (Advisor: Dr. Indranil Dutta)	2014
	University of Virginia B.A., English Literature, Linguistics Graduated with Distinction	2011
AWARDS AND HONORS	Chancellor’s Doctoral Fellowship, <i>University of Kansas</i> Frances Ingemann Scholarship, <i>Department of Linguistics, KU</i> Graduate Student Service Award, <i>Department of Linguistics, KU</i> Housing Service Award, <i>University of Virginia</i>	2015–2020 2018 2016 2010
MEMBERSHIP	Acoustical Society of America (Student) Linguistic Society of America (Student) American Association for the Advancement of Science (Student) International Phonetic Association	2015–present 2018–present 2018–present 2019–present
SERVICE	Conference organizing Co-organizer (with Matthew Kelley and Benjamin Tucker) of the 2019 ASA Special	

Initiative: “Developing a cross-platform federated code repository for speech research,” and co-chair of the accompanying special session scheduled for December, 2020

Co-organizer (with Trevor Swanson, Yoed Kennet, and Thomas Hills) of the Satellite conference “Networks in cognitive science,” at NetSci 2019

Journal editing

Co-editor of *Kansas Working Papers in Linguistics* 2016–2019

Journal reviewing

Reviewed for the following publications: 2017–present

1. *Journal of the Acoustical Society of America*
2. *Journal of South Asian Languages and Linguistics*
3. *Applied Psycholinguistics*
4. *Complexity*
5. *Kansas Working Papers in Linguistics*

GRANTS

Doctoral Dissertation Research Improvement Grant, *NSF* 2019–2020
Network Science Stimulant Grant, *The Commons, KU* 2016

RESEARCH IN PROGRESS

Stages: ‘*M*’ = final manuscript preparation, ‘*W*’ = writing, ‘*A*’ = analysis, ‘*E*’ = experimentation, ‘*D*’ = design.

- W – **Redmon, C.**, & Jongman, A. “English obstruent acoustics I: Temporal parameter measurement, reliability, and lexically discriminative power.”
- W – **Redmon, C.**, & Jongman, A. “English obstruent acoustics II: Amplitudinal parameter measurement, reliability, and lexically discriminative power.”
- W – **Redmon, C.**, & Jongman, A. “English obstruent acoustics III: Static spectral parameter measurement, reliability, and lexically discriminative power.”
- W – **Redmon, C.**, & Jongman, A. “English obstruent acoustics IV: Dynamic spectral parameter measurement, reliability, and lexically discriminative power.”
- W – **Redmon, C.**, & Jongman, A. “English obstruent acoustics V: Multivariate structure and parametric completeness.”
- W – **Redmon, C.**, Swanson, T., & Symons, J. “Null models in the analysis and interpretation of network properties.”
- W – **Redmon, C.**, Shin, S., & Rong, P. “KU-ArtLex-eng: A single-speaker articulatory lexicon of English.”
- W – Dutta, D., **Redmon, C.**, Krishnaswamy, M., Chandran, S., & Raj, N. “Coarticulation in a dense coronal system: Acoustic and ultrasound data from Malayalam.”
- A – **Redmon, C.**, & Kelley, M. “On dynamic time warping of mel-frequency cepstral coefficients in the measurement of acoustic distance between speech sounds.”
- E – Shin, S., **Redmon, C.**, & Rong, P. “A single-speaker articulatory lexicon of Korean.”

PEER-REVIEWED
JOURNAL ARTICLES

1. **Redmon, C.**, Tremblay, A., & Vitevitch, M. (under review). “The time course of neighborhood clustering effects in spoken word recognition.”
2. **Redmon, C.**, Leung, K., Wang, Y., McMurray, B., Jongman, A., Sereno, J. (2020). “Cross-linguistic perception of clearly spoken English tense and lax vowels based on auditory, visual, and auditory-visual information.” *Journal of Phonetics*, 81, 1–25. DOI: <https://doi.org/10.1016/j.wocn.2020.100980>
3. **Redmon, C.**, & Jongman, A. (2018). “Source characteristics of voiceless dorsal fricatives.” *Journal of the Acoustical Society of America*, 144(1), 242–253. DOI: <https://doi.org/10.1121/1.5045345>

PEER-REVIEWED
WORKING PAPERS

1. **Redmon, C.**, Zeng, Y., Kidwai, J., Yang, X., Wilson, D., & Fiorentino, R. (2020). “Detecting integration of top-down information in mismatch negativity: Evidence from phoneme restoration.” *Kansas Working Papers in Linguistics*, 41.

PROCEEDINGS

1. **Redmon, C.**, Shin, S., & Rong, P. (2019). “KU-ArtLex: A single-speaker EMA database for modeling the articulatory structure of the lexicon.” *Proceedings of the International Congress of Phonetic Sciences*.
2. Dutta, D., **Redmon, C.**, Krishnaswamy, M., Chandran, S., & Raj, N. (2019). “Articulatory complexity and lexical contrast density in models of coronal coarticulation in Malayalam.” *Proceedings of the International Congress of Phonetic Sciences*.
3. **Redmon, C.** (2016). “Effects of positional allophony on the acoustic classification of posterior obstruents in Assamese.” *Proceedings of Meetings on Acoustics*, 26. DOI: <https://doi.org/10.1121/2.0000635>
4. Phom, P. & **Redmon, C.** (2016). “Quantifying the information carried in tonal contrasts in Phom.” *Proceedings of the 22nd Himalayan Languages Symposium*.

CONFERENCE
PRESENTATIONS

1. Tucker, B., Kelley, M., & **Redmon, C.** (2021). “A place to share teaching resources: Speech and Language Resource Bank”. Paper to be presented at the *180th Meeting of the Acoustical Society of America*.
2. **Redmon, C.**, & Jongman, A. (2021). “Strong interfaces: Exploring the structure of the phonetic system as embedded in higher-order systems of contrast.” Paper to be presented at *Interfaces of Phonetics*: Oldenburg, Germany.
3. **Redmon, C.**, (2020). “Revisiting the basis of phonological representations: Word form distinction and the articulatory-acoustic structure of the lexicon.” Paper presented at the *Berkeley Linguistic Society Workshop on Phonological Representations: At the Crossroad between Gradience and Categoricity*: Berkeley, California.
4. **Redmon, C.**, & Jongman, A. (2019). “Lexically dependent estimation of acoustic information in speech III: Cross-splicing verification of cue weights.” Poster presented at the *178th Meeting of the Acoustical Society of America*: San Diego, California.
5. **Redmon, C.**, Shin, S., & Rong, P. (2019). “KU-ArtLex: A single-speaker EMA database for modeling the articulatory structure of the lexicon.” Paper presented at the *15th International Congress of Phonetic Sciences*: Melbourne, Australia.
6. Dutta, D., **Redmon, C.**, Krishnaswamy, M., Chandran, S., & Raj, N. (2019). “Articulatory complexity and lexical contrast density in models of coronal coarticulation in Malayalam.” Paper presented at the *15th International Congress of Phonetic Sciences*: Melbourne, Australia.

7. **Redmon, C.**, & Jongman, A. (2019). “Lexically dependent estimation of acoustic information in speech II: Minimal pair confusability.” Poster presented at the *177th Meeting of the Acoustical Society of America*: Louisville, Kentucky.
8. **Redmon, C.**, & Jongman, A. (2018). “Lexically dependent estimation of acoustic information in speech.” Poster presented at the *176th Meeting of the Acoustical Society of America*: Victoria, BC, Canada. DOI: <https://doi.org/10.1121/1.5067645>
9. Sereno, J., Jongman, A., Wang, Y., Hamarneh, G., Tang, L., Garg, S., Tupper, P., McMurray, B., **Redmon, C.**, Zeng, Y., Hannah, B., Leung, K., & Cho, S. (2018). “Linking production and perception of clear speech.” Poster presented at the *176th Meeting of the Acoustical Society of America*: Victoria, BC, Canada. DOI: <https://doi.org/10.1121/1.5067651>
10. **Redmon, C.**, & Sangma, T. (2018). “On the importance of machine-readable lexicons in the study of South Asian phonologies: Demonstrations from a 16,000-word database of Garo.” Paper presented at *Formal Approaches to South Asian Languages 8*: Wichita, KS, USA
11. **Redmon, C.**, Jongman, A., & Zhang, J. (2017). “Distributional factors in Telugu sibilant production.” Poster presented at the *174th Meeting of the Acoustical Society of America*: New Orleans, LA, USA. DOI: <https://doi.org/10.1121/1.5014433>
12. **Redmon, C.**, Jongman, A., & Vitevitch, M. (2017). “Towards a topology of phonetic contrast: Quantifying the information encoded by acoustic cues across items in the lexicon.” Poster presented at the *50th Anniversary of the KU Linguistics Department*
13. Leung, K, **Redmon, C.**, Wang, Y., Jongman, A., & Sereno, J. (2016). “Cross-linguistic perception of clearly spoken English tense and lax vowels based on auditory, visual, and auditory-visual information.” Poster presented at the *5th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan*: Honolulu, HI, USA. DOI: <https://doi.org/10.1121/1.4970636>
14. **Redmon, C.**, & Jongman, A. (2016). “Source properties of dorsal fricatives.” Poster presented at the *5th Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan*: Honolulu, HI, USA. DOI: <https://doi.org/10.1121/1.4970171>
15. Phom, P., & **Redmon, C.** (2016). “Quantifying the information carried in tonal contrasts in Phom.” Poster presented at the *22nd Himalayan Languages Symposium*: Guwahati, AS, India
16. **Redmon, C.** (2016). “Acoustic classification of velar fricatives in Assamese.” Poster presented at the *171st Meeting of the Acoustical Society of America*: Salt Lake City, UT, USA. DOI: <https://doi.org/10.1121/1.4949938>
17. Dutta, I., & **Redmon, C.** (2013). “Coarticulation and contrast in static and dynamic models of second formant trajectories.” Poster presented at the *166th Meeting of the Acoustical Society of America*: San Francisco, CA, USA. DOI: <https://doi.org/10.1121/1.4831424>
18. Sarmah, P., & **Redmon, C.** (2013). “Acoustic separation of high-central vowels in Bodo, Rabha, and Korean.” Paper presented at *Acoustics 2013 New Delhi*: New Delhi, DL, India
19. Dutta, I., & **Redmon, C.** (2013). “Phonetic routes of tonogenesis in modern northwestern Indo-Aryan languages.” Paper presented at the *2nd Workshop on Tone and Intonation*: Hyderabad, TS, India

20. **Redmon, C.**, & Patgiri, B. (2012). “Prominence and spectral variance in Assamese.” Paper presented at the *34th All India Conference of Linguists*: Shillong, ML, India

MISCELLANEOUS
TALKS

1. Redmon, C. (2017). “Moving beyond the minimal pair: Estimating the global acoustic information underlying phonemic contrasts in the lexicon”. Presented at the Linguistics Colloquy, University of Kansas
2. Redmon, C. (2017). “Quantifying distributed acoustic information in the lexicon through simulations on a weighted phonological network”. Presented at the Child Language Proseminar, University of Kansas
3. Redmon, C. (2017). “Introducing Computational Linguistics: Definitions, history, and scope”. Presented at the Linguistics Undergraduate Club of KU

AUTHORED
SOFTWARE

- CorPy: A Python-based tool for text corpus analysis. Hosted at <https://www.github.com/redmonc/CorPy/>.

TECHNICAL SKILLS

Computer Languages: R, Python, Perl, Prolog

Scripting: Linux Bash, Praat, MATLAB, SAS

Markup: LaTeX, HTML, CSS, Markdown

Applications/Tools: Praat, Git, Scicon MacQuirer (pneumotachograph), SPSS

LANGUAGES

English: Native speaker

Hindi/Urdu: Basic (basic speaking; reading in Devanagari and Nastaliq)

German: Basic (reading knowledge)

Updated: April 30, 2021