

# THEA KNOWLES

Buffalo, NY  
theaknow@buffalo.edu

Lab website:  
<https://www.casa-lab.com>

*Last updated: July 28, 2020*

## CURRENT EMPLOYMENT

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<b>Assistant Professor</b> (tenure system) Communicative Disorders & Sciences University at Buffalo Buffalo, NY	2019 - Present
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## EDUCATION

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<b>Western University, London, ON</b> PhD, Speech & Language Sciences Health & Rehabilitation Sciences	2014 - 2019
<b>Western University, London, ON</b> MClSc, Speech-Language Pathology Communication Sciences & Disorders	2014 - 2019
<b>McGill University, Montréal, QC</b> B.A. Honours, Linguistics First Class Honours, Distinction	2008 - 2012

## FUNDING

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### *Funded: Research*

<b>Ontario Graduate Scholarship</b> · Value: \$15,000	2018-2019
<b>Ontario Graduate Scholarship</b> · Value: \$15,000	2017-2018
<b>Western Graduate Research Scholarship</b> · Value: approx. \$19,000 annually	2014 - 2019

### *Funded: Clinical*

<b>Parkinson Voice Project LOUD Crowd® Grant</b> · Supports continuation of the LOUD Crowd® at the UB Speech and Hearing Clinic · Role: Lead Speech-language pathologist	2020 - 2021
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### *Unfunded*

<b>Vanier Scholarship Nominee</b> <i>Nominated by Western University Faculty of Health Sciences</i>	2016
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## HONOURS & AWARDS

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### *Scholarly Awards*

- Graduate Student Teaching Award Nominee (not awarded)** 2018  
*Western University*
- Graduate Student Research Program Award** 2017-2018  
*Parkinson Society Southwestern Ontario*
- Value: \$20,000
- Western University “3 Minute Thesis” First Place Winner** 2016  
*Western University*
- Value: \$1,000
- Harmonize for Speech Graduate Student Award** 2016  
*Harmonize for Speech Ontario*
- Value: \$750
- Student Achievement Award** 2015  
*Ontario Association of Speech-Language Pathologists & Audiologists*
- Value: OSLA Membership
- Acoustical Society of America Student Poster Honorable Mention** 2015  
*Meeting of the 170th Acoustical Society of America*
- Best PhD Student Poster Award** 2015  
*Health & Rehabilitation Sciences Graduate Research Conference, Western University*

### *Travel Awards*

- Graduate Student Conference Travel Subsidy (Summer)** 2018  
*Western University Society of Graduate Students*
- Value: \$500.00
- Graduate Student Conference Travel Award** 2018  
*Western University Faculty of Health Sciences*
- Value: \$250.00
- Graduate Student Conference Travel Subsidy (Spring)** 2018  
*Western University Society of Graduate Students*
- Value: \$300.00
- Graduate Student Conference Travel Subsidy (Spring)** 2016  
*Western University Society of Graduate Students*
- Value: \$500.00
- Graduate Student Conference Travel Award** 2016  
*Western University Health & Rehabilitation Sciences*
- Value: \$400.00
- Graduate Student Conference Travel Award** 2016  
*Western University Faculty of Health Sciences*

## PUBLICATIONS

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11. **Knowles, T.**, Adams, S. G., Page, A., Cushnie-Sparrow, D., & Jog, M. (In press). A comparison of speech amplification and personal communication devices for hypophonia. *Journal of Speech, Language, and Hearing Research*.
10. Adams, S., Kumar, N., Rizek, P., Hong, A., Zhang, J., Abeyesekera, A., Mancinelli, C., **Knowles, T.**, & Jog, M. (2020). Efficacy and acceptance of a Lombard-response device for hypophonia in Parkinson's disease. *The Canadian Journal of Neurological Sciences*.
9. Sonderegger, M., Stuart-Smith, J., **Knowles, T.**, Macdonald, R., Rathcke, T. (2020). Structured heterogeneity in Scottish stops over the twentieth century. *Language*, 96(1), 94-125.
8. Abeyesekera, A., Adams, S., Mancinelli, C., **Knowles, T.**, Gilmore, G., Delrobaei, M., Jog, M. (2019). Effects of deep brain stimulation of the subthalamic nucleus settings on voice quality, intensity, and prosody in Parkinson's disease: preliminary evidence for speech optimization. *Canadian Journal of Neurological Sciences*, 46(3), 287-294. doi: 10.1017/cjn.2019.16
7. **Knowles, T.**, Clayards, M., & Sonderegger, M. (2018). Examining factors influencing the viability of automatic acoustic analysis of child speech. *Journal of Speech, Language, and Hearing Research*, 61(10), 2487-2501. doi: 10.1044/2018\_JSLHR-S-17-0275.
6. **Knowles, T.**, Adams, S., Abeyesekera, A., Mancinelli, C., Gilmore, G., & Jog, M. (2018). Deep brain stimulation of the subthalamic nucleus parameter optimization for vowel acoustics and speech intelligibility in Parkinson's disease. *Journal of Speech, Language, and Hearing Research*, 61(3), 510-524. doi: 10.1044/2017\_JSLHR-S-17-0157.
5. Cushnie-Sparrow, D., Adams, S.G., **Knowles, T.**, Leszcz, T.M., Jog, M. (2016). Effects of multi-talker noise on the acoustics of voiceless stop consonants in Parkinson's disease. *Western Papers in Linguistics*.
4. **Knowles, T.**, Clayards, M., Sonderegger, M., Wagner, M., Nadig, A., & Onishi, K. (2015). Automatic forced alignment on child speech: Directions for improvement. *Proceedings of Meetings on Acoustics*. doi: 25:060001.
3. Clayards, M. & **Knowles, T.** (2015). Prominence enhances voicelessness and not place distinction in English voiceless sibilants. *Proceedings of the 18th International Congress of Phonetic Sciences*. Glasgow, UK: the University of Glasgow.
2. Little, C. & **Knowles, T.** (2012). Didja know? A comparative study of affrication across word boundaries in Canadian and American English. *Strathy Student Working Papers on Canadian English*.
1. Cheng, J. & **Knowles, T.** (2012). Mandarin VP-Shell: Not as hard as you think. *McGill Cellar Door* 1, 4-20.

## MANUSCRIPTS

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Avenia, K., Ahmed, J., Borovsky, A., McRae, K., Jenkins, M., Sprengel, K., Fraser, J.A., Orange, J.B., **Knowles, T.**, & Roberts, A. (Submitted). Predictive language comprehension in Parkinson's disease. *Submitted to Cortex*.

**Knowles, T.**, Adams, S.G., & Jog, M. (In prep). Voice acoustics along a modified speech rate continuum in Parkinson's disease.

**Knowles, T.**, Adams, S.G., & Jog, M. (In prep). Stop voicing contrast is robust in Parkinson's disease along a speech rate continuum.

**Knowles, T.**, Adams, S.G., & Jog, M. (In prep). Speech intelligibility along a speech rate continuum in Parkinson's disease.

## CODE

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Keshet, J., Sonderegger, M., & **Knowles, T.** (2014). AutoVOT, v. 0.93.

- A software package for automatic measurement of voice onset time (VOT), using the algorithm described in Sonderegger & Keshet (2012).

**Knowles, T.** (unpublished). Publicly available Praat scripts.

- <https://github.com/thealk/PraatScripts>
- Includes Visual Analog Scale administration tool, interactive tutorials, and various scripts designed to facilitate speech analysis.

## PRESENTATIONS

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### *Invited presentations*

**Knowles, T.** Speech acoustic adjustments along a speech rate continuum in Parkinson's disease. Rehabilitation Science Seminar. University at Buffalo, Buffalo, NY. 3/2020.

**Knowles, T.** Speech amplification clinic: Speech-language pathology in-service. H.A. Leeper Speech & Hearing Clinic. Western University, London, ON. 1/2019.

**Knowles, T.** Louder but not clearer: Exploring underpinnings of speech intelligibility in dysarthria through acoustic, clinical, and technological lenses. Job talk presented at the University of Minnesota Twin Cities. Minneapolis, MN. 1/2019.

**Knowles, T.** Louder but not clearer: Exploring underpinnings of speech intelligibility in dysarthria through acoustic, clinical, and technological lenses. Job talk presented at the University at Buffalo. Buffalo, NY. 11/2018.

**Knowles, T.**, Adams, S., Page, A., Cushnie-Sparrow, D., & Jog, M. A comparison of speech amplification and personal communication devices for individuals with Parkinson's disease. Communicative Disorders & Sciences Research Colloquium. University at Buffalo, Buffalo, NY. 4/2018.

### *Refereed conference presentations*

**Knowles, T.**, Adams, S., & Jog, M. VOT voicing distinction is robust along a speech rate continuum in dysarthria. Laboratory Phonology, Virtual, Forthcoming; 07/2020. *International poster presentation.*

**Knowles, T.**, Adams, S., & Jog, M. Speech intelligibility along a modified speech rate continuum in Parkinson's disease. International Clinical Linguistics & Phonetics Association. Forthcoming; postponed to 09/2021 due to COVID-19. *International poster presentation.*

**Knowles, T.**, Adams, S., & Jog, M. Acoustic changes along a modified speech rate continuum in Parkinson's disease. Motor Speech Conference. Santa Barbara, CA. 02/2020. *International poster presentation*

**Knowles, T.**, Adams, S., Page, A., Cushnie-Sparrow, D., & Jog, M. Evaluating the efficacy of speech amplification and personal communication devices in Parkinson's disease. American Speech-Language-Hearing Association (ASHA) Conference. Boston, MA. 11/2018. *International poster presentation*

**Knowles, T.**, Adams, S., Page, A., Cushnie-Sparrow, D., & Jog, M. A comparison of voice amplification devices in Parkinson's disease.

- American Speech-Language-Hearing Association (ASHA) CONNECT Conference. Baltimore, MD. 7/2018 (new data presented). *International poster presentation*

- Speech-Language Pathology and Audiology Canada (SAC) Conference. Edmonton, AB. 5/2018. *National poster presentation*
- Mancinelli, C., Adams, S.G., Abeyesekera, A., **Knowles, T.**, Delrobaei, M., & Jog, M. Deep brain stimulation parameter optimization for rate of speech in Parkinson's disease. American Speech-Language-Hearing Association Convention. Philadelphia, PA. 11/2016. *International poster presentation, presented by first author.*
- Knowles, T.**, Adams, S.G., Abeyesekera, A., Mancinelli, C., & Jog, M. Deep brain stimulation parameter optimization for speech intelligibility and vowel acoustics in Parkinson's disease. International Clinical Phonetics and Linguistics Association Conference, Halifax, NS. 6/2016. *International oral presentation.*
- Abeyesekera, A., Adams, S.G., **Knowles, T.**, Mancinelli, C., Delrobaei, M., & Jog, M. Deep brain stimulation and speech in Parkinson's disease: Effects of stimulator settings and electrode contact positions. Southern Ontario Neuroscience Association, Waterloo, ON. 5/2016. *Provincial poster presentation, presented by first author.*
- Knowles, T.**, Adams, S.G., Abeyesekera, A., Mancinelli, C., Delrobaei, & M., Jog., M. Deep brain stimulation parameter optimization for speech intelligibility and speech acoustics in Parkinson's disease. Motor Speech Conference, Newport Beach, CA. 3/2016. *International poster presentation.*
- Abeyesekera, A., Adams, S.G., **Knowles, T.**, Mancinelli, C., Delrobaei, & M., Jog., M. Deep brain stimulation parameter optimization for voice quality, speech intensity and prosody of speech in Parkinson's disease. Motor Speech Conference, Newport beach, CA. 3/2016. *International poster presentation, presented by first author.*
- Knowles, T.**, Clayards, M., Sonderegger, M., Wagner, M., Nadig, A., & Onishi, K. Automatic forced alignment on child speech: Directions for improvement. Meeting of the Acoustical Society of America, Jacksonville, FL. 11/2015. *International poster presentation.*
- Sonderegger, M., Stuart-Smith, J., Macdonald, R., **Knowles, T.**, & Rathcke, T. Stability and change in Scottish stops: A real-time study of three acoustic cues in Glaswegian vernacular. New Ways of Analyzing Variation 44, Toronto. 10/2015. *International oral presentation, presented by first author.*
- Clayards, M., & **Knowles, T.** Prominence enhances voicelessness and not place distinction in English voiceless sibilants. 18th International Congress of Phonetic Sciences. Glasgow, Scotland. 8/2015. *International oral presentation, presented by first author.*
- Stuart-Smith, J., Sonderegger, M., Macdonald, R., **Knowles, T.**, & Rathcke, T. (2014). The private life of stops: VOT in a real-time corpus of spontaneous Glaswegian. 14th Conference on Laboratory Phonology. Tokyo, Japan. 7/2014. *International oral presentation, presented by first author.*
- Clayards, M., & **Knowles, T.** Sibilants, prominence, contrast and breathy voice. Phonetic Building Blocks of Speech. University of Victoria. Victoria, BC. 9/2014. *International poster presentation, presented by first author.*
- Clayards, M. & **Knowles, T.** Prosodic strengthening and sibilants. Linguistic Institute Conference on Universality and Variability in segment-prosody interactions. Ann Arbor, MI. 6/2013. *International oral presentation, presented by first author.*
- Fleischer, D., **Knowles, T.**, Cheng, J., Wagner, M., & Clayards, M. Syntactic effects on compensation for assimilation. Architectures and Mechanisms for Language Processing. Riva del Garda, Italy. 9/2012. *International oral presentation, presented by last author.*
- Little, C. & **Knowles, T.** Didja Know? Affrication in North American English Dialects.
  - Change and Variation in Canada 7. University of Toronto. Toronto, ON. 5/2012. *National oral presentation.*

- 2nd Annual Hunter Undergraduate Linguistics and Language Study. Hunter College. New York, NY. 5/2012. *International oral presentation.*
- International Linguistic Assoc. 58th Annual Conference. Kingsborough Community College. Brooklyn, NY. 4/2012. *International oral presentation.*
- 10th Annual Harvard Undergraduate Linguistics Colloquium. Harvard University. Cambridge, MA. 4/2012. *International oral presentation.*

**Knowles, T.** (2011). Gender and Lexical Variation: Coffee Tasting Descriptors.

- McGill Canadian Conference for Linguistics Undergraduates. Montréal, QC. 3/2011. *National oral presentation.*
- 9th Annual Harvard Undergraduate Linguistics Colloquium. Harvard University. Cambridge, MA. *International oral presentation.*

### *Local presentations*

**Knowles, T.,** Adams, S., Page, A., Cushnie-Sparrow, D., & Jog, M. Evaluating the efficacy of voice amplification and personal communication devices in Parkinson’s disease. Speech & Language Seminar, Health & Rehabilitation Sciences, Western University. London, ON. 10/2018. *Local oral presentation.*

**Knowles, T.,** Adams, S., Page, A., Cushnie-Sparrow, D., & Jog, M. A comparison of voice amplification devices in Parkinson’s disease.

- 5th Annual Movement Disorders Research Retreat. London, ON. 6/2018. *Local oral presentation.*
- Health & Rehabilitation Graduate Research Conference. Western University, London, ON. 2/2018. *Local oral presentation.*

**Knowles, T.** The effect of rate manipulation on acoustic distinctiveness and intelligibility in dysarthria: Prospectus.

- Speech & Language Seminar, Health & Rehabilitation Sciences, Western University. London, ON. 10/2017. *Local oral presentation.*
- 4th Annual Movement Disorders Research Retreat. London, ON. 6/2017. *Local oral presentation.*

**Knowles, T.,** Adams, S.G., Abeyesekera, A., Mancinelli, C., Gilmore, G., & Jog, M. Deep brain stimulation parameter optimization: Vowel acoustics in Parkinson’s disease. Health & Rehabilitation Graduate Research Conference. Western University, London, ON. 2/2017. *Local oral presentation.*

Cushnie-Sparrow, D., Adams, S.G., Leszcz, T., **Knowles, T.,** & Jog, M. Effects of multitalker noise on the acoustics of voiceless stop consonants in Parkinson disease. Western Interdisciplinary Student Symposium on Language Research, London, ON. 3/2016. *Local oral presentation, presented by first author.*

**Knowles, T.,** Adams, S., Leszcz, T., Jog, M. Acoustic correlates of noise-related speech intelligibility deficits in Parkinson’s disease. Health and Rehabilitation Sciences Graduate Research Conference. Western University, London, ON. 2/2016. *Local oral presentation.*

**Knowles, T.,** Adams, S.G., Abeyesekera, A., Mancinelli, C., Delrobaei, & M., Jog, M. Deep brain stimulation and speech.

- 3rd Annual Movement Disorders Research Retreat. Toronto, ON. 6/2016. *Local oral presentation.*
- 2nd Annual Movement Disorders Research Retreat. London, ON. 6/2015. *Local oral presentation.*

**Knowles, T.,** Adams, S.G., Abeyesekera, A., Mancinelli, C., Delrobaei, & M., Jog, M. Effect of deep brain stimulation parameters on speech intelligibility and speech acoustics in Parkinson’s disease.

- Health & Rehabilitation Sciences Graduate Research Conference. Western University, London, ON. 2/2015. *Local poster presentation.*
- Faculty of Health Sciences Research Day. Western University, London, ON. 3/2015. *Local poster presentation.*

Abeyesekera, A., Adams, S., **Knowles, T.**, Mancinelli, C., Delrobaei, M., & Jog, M. Effect of different deep brain stimulation parameters on voice quality, speech intensity, and prosody in Parkinson's Disease. Health & Rehabilitation Sciences Graduate Research Conference, Western University, London, ON. 2/2015. *Local poster presentation, presented by first author.*

Mancinelli, C., Adams, S., Abeyesekera, A., **Knowles, T.**, Delrobaei, M., & Jog, M. Deep brain stimulation parameter optimization for rate of speech in Parkinson's Disease. Health & Rehabilitation Sciences Graduate Research Conference, Western University, London, ON. 2/2015. *Local poster presentation, presented by first author.*

Clayards, M., Wonnacott, E., & **Knowles, T.** A case study of childhood L2 learning of phonological contrasts. McGill School of Communication Sciences and Disorders 50th Anniversary Open House. McGill University. Montréal, QC. 11/2013. *Local poster presentation, presented by first author.*

## MEDIA

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**“Speech in Parkinson's disease: The potential role of amplification devices.”** Article written for *The Parkinson's Update (68)*. Parkinson Society Southwestern Ontario. Online. Summer/Fall 2018. <https://parkinsonsociety.ca/wp-content/uploads/2018/07/Parkinson-68-complete-for-web-Compressed-003-final.pdf>

**“The R-Ladies Piece.”** Interview by GradCast for *Radio Western*. Radio. 6/2017.

**“Research fine-tunes Parkinson's speech impact.”** Interview by Paul Mayne for *Western News*. Online. 3/2016. <https://news.westernu.ca/2016/03/research-fine-tunes-parkinsons-speech-impact/>

## PROFESSIONAL EXPERIENCE: RESEARCH

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**Research Assistant** November 2014 - August 2019  
*Speech Movement Disorders Lab, Western University* *London, ON*

- Assist with study design, ethics submission, data collection related to a comparison of assistive speech devices for individuals with Parkinson's disease

**Lab Coordinator/Research Assistant** October 2014 - June 2017  
*Language & Cognition Lab, Western University* *London, ON*

- Assist with study design, ethics proposals, recruitment, data collection/analysis related to language comprehension in Parkinson's disease
- Manage research assistants, coordinate meetings, ensure project deadlines are met

**Project Manager: Tools for Looking at Variability in Speech** August 2013 - June 2014  
*McGill University* *Montréal, QC*

- Multidisciplinary collaboration with Communication Sciences & Disorders, Linguistics, & Psychology investigating viability of automated analysis with large scale variable speaker populations
- Trained & managed 12+ research assistants in speech analysis

**Lab Manager: Speech Learning Lab** August 2013 - June 2014  
*Linguistics Department, McGill University* *Montréal, QC*

- Trained & managed research assistants in acoustic analysis
- Provided training materials and conducted tutorial on Praat scripting

**Lab Manager: Montréal Language Modeling Lab**

June 2013 - June 2014

*Linguistics Department, McGill University**Montréal, QC*

- Developed automated scripts for speech analysis, performed data collection & acoustic analysis
- Trained & managed research assistants & coordinated meetings

**Research Assistant: CHILDES PhonBank Project**

September 2012 - March 2014

*Linguistics Department, McGill University**Montréal, QC*

- Edited and maintained corpus of child phonological data
- Provided detailed feedback for ongoing development of PhonBank software

**Research Assistant: McGill Prosody Lab**

June 2012 - June 2014

*Linguistics Department, McGill University**Montréal, QC*

- Performed data collection for a variety of speech production and perception experiments
- Assisted in data analysis using MatLab and Praat software

**Research Assistant: Speech Learning Lab**

November 2011 - June 2014

*Linguistics Department, McGill University**Montréal, QC*

- Assisted in speech perception and production experimental design
- Conducted acoustic and statistical analysis

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**PROFESSIONAL EXPERIENCE: CLINICAL**

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**Speech-language pathologist (Clinical Fellowship)**

November 2019 - present

*UB Speech and Hearing Clinic**Buffalo, NY*

- Lead LOUD CROWD® therapy sessions for people with Parkinson's disease.

**Student Clinician: Hospital**

July 2019 - August 2019

*Grand River Hospital**Kitchener, ON*

- Provided swallowing and communication assessments on a stroke unit.

**Student Clinician: Speech Amplification Clinic**

September 2018 - June 2019

*H.A. Leeper Speech & Hearing Clinic**London, ON*

- Developed policies and procedures for and led assessments of individuals with hypophonia seeking a speech amplification device
- Coordinated meetings with speech-language pathologists, audiologists, neurologists and clinic staff to ensure timely prescription of appropriate devices

**Student Clinician: Schoolboard**

May 2018 - June 2018

*Thames Valley District Schoolboard**London, ON*

- Conducted assessment and intervention for school-aged children

**Student Clinician: Fluency disorders**

August 2017

*Camp ShoutOut**Holton, MI, USA.*

- Provided individual and group intervention to children with fluency disorders

**Student Clinician: Acquired neurogenic language disorders**

May 2015 - July 2015

*H.A. Leeper Speech & Hearing Clinic**London, ON*

- Conducted assessment and intervention for adults with aphasia
- Provided individual & group therapy



**Student Clinician: Voice disorders***H.A. Leeper Speech & Hearing Clinic*

May 2015 - June 2015

*London, ON*

- Delivered LSVT-LOUD to client with Parkinson's disease

**Student Clinician: TykeTalk***H.A. Leeper Speech & Hearing Clinic*

January 2015 - April 2015

*London, ON*

- Conducted assessment and intervention for young children with suspected speech and/or language difficulties
- Assisted in providing Hanen Target Word intervention

**TEACHING EXPERIENCE***Instructor***Anatomy and Physiology of the Speech Mechanism (CDS288)***University at Buffalo*

Fall 2019

*Teaching Assistant***Speech Science (COMMSCI9615)***Communication Sciences & Disorders*

Fall 2016, 2017

*Western University*

- Conducted three weekly labs on healthy and disordered speech acoustics for graduate SLP and Audiology students

**Voice Disorders (COMMSCI9631)***Communication Sciences & Disorders*

Spring 2017

*Western University*

- Graded quizzes and exams related to healthy and disordered voice production for graduate SLP students

*Guest Lectures***“Introduction to phonetics”***Speech Science (COMMSCI9615)*

September 2017, 2018

*Western University***“Treatment trends in hypokinetic dysarthria”***Motor Speech Disorders (SLP714)*

March 2018

*Central Michigan University***“Pursuing a PhD in communication sciences and disorders”***Professional Practice Issues (COMMSCI9636)*

November 2017

*Western University**Workshops & tutorials***Coding for Speech***Department of Communicative Disorders & Sciences*

Spring 2020

*University at Buffalo***“RMarkdown and Bookdown for academic writing”***R-Ladies, London, Ontario Chapter*

January 2020

**“Dissertating with RMarkdown and Bookdown”***R-Ladies, London, Ontario Chapter*

April 2019

**“Figuring out figures in R”***R-Ladies, London, Ontario Chapter*

October 2018

**“Using RMarkdown to generate reports and manuscripts”***R-Ladies, London, Ontario Chapter*

March 2018

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**ACADEMIC SERVICE & LEADERSHIP**

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<b>Lab Director: Clinical Applications of Speech Acoustics (CASA) Lab</b> <i>Communicative Disorders &amp; Sciences, University at Buffalo</i>	2019 — Present <i>Buffalo, NY</i>
<b>Co-founder</b> <i>R-Ladies London, Ontario Chapter</i>	2017 — 2019 <i>London, ON</i>
<b>Chair/Organizer</b> <i>Health &amp; Rehabilitation Sciences Alumni Speaker Series</i>	2016 — 2017 <i>Western University</i>
<b>Sponsorship Subcommittee Leader</b> <i>Health &amp; Rehabilitation Sciences Graduate Research Conference</i>	2016 — 2017 <i>Western University</i>
<b>Vice-President Finance</b> <i>Health &amp; Rehabilitation Sciences Graduate Student Society</i>	2016 — 2017 <i>Western University</i>
<b>President</b> <i>Health &amp; Rehabilitation Sciences Graduate Student Society</i>	2015 — 2016 <i>Western University</i>
<b>Co-organizer</b> <i>Health &amp; Rehabilitation Sciences Graduate Research Conference</i>	2016 <i>Western University</i>
<b>Abstract Reviewer</b> <i>Health &amp; Rehabilitation Sciences Graduate Research Conference</i>	2015, 2016 <i>Western University</i>
<b>Professional Program Preview Day Volunteer</b> <i>School of Communication Sciences &amp; Disorders</i>	2015 <i>Western University</i>

*Service to the Department*

<b>Subcommittee Leader for Departmental SWOT Analysis</b> <i>Communicative Disorders &amp; Sciences, University at Buffalo</i>	January 2020 - February 2020 <i>University at Buffalo</i>
<b>Job Search Committee Member for Assistant Professor</b> <i>Communicative Disorders &amp; Sciences, University at Buffalo</i>	October 2019 - December 2019 <i>University at Buffalo</i>
<b>Subcommittee Member for Speech Equipment Funds</b> <i>Communicative Disorders &amp; Sciences, University at Buffalo</i>	October 2019 - November 2019 <i>University at Buffalo</i>

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**PROFESSIONAL DEVELOPMENT AND VOLUNTEERING**

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<b>Pathways Program Attendee</b> <i>American Speech-Language-Hearing Association</i>	Upcoming: June 2020 <i>Mentorship program (virtual)</i>
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- Mentorship program for early career researchers in communication sciences and disorders
- “It is intended as an initial step to enhance the training, retention, and funding success of clinical scientists in CSD, with the ultimate goal of advancing the evidence base of the discipline.”

<b>New Faculty Academy Attendee (Scholarly Writing)</b> <i>University at Buffalo</i>	Fall 2019 <i>Buffalo, NY</i>
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- Weekly workshops for new faculty to improve elements of their scholarly research

**Pin Pals Volunteer***Autism Ontario*

February - March 2016

*London, ON*

- Weekly one-on-one bowling outings with children with autism spectrum disorder

**Operation Smile Volunteer***Western University*

September 2015 - June 2016

*London, ON*

- Assisted in fundraising for medical charity providing surgical training for doctors treating children born with cleft lip/palate in underfunded international locations

**IAL Voice Institute Attendee***International Association of Laryngectomees*

June 2015

*Baltimore, MD*

- Passed IAL examination which confirmed acquisition of basic and intermediate levels of knowledge in postlaryngectomy rehabilitation

**Aphasia Retreat Day Volunteer***Western University*

May 2015

*London, ON*

- Volunteered as "communication ramp" for adults with aphasia during full day retreat
- Facilitated communication using SCAA strategies during games and activities

**Speech-Language Pathology Assistant***Speech Therapy Montréal*

January 2013 - July 2014

*Montréal, QC*

- Assisted with early intervention language screenings
- Performed inventory of therapy materials, created client database

**Software Carpentry Bootcamp Attendee***McGill University*

January 2013

*Montréal, QC*

- Professional development related to programming skill enhancement with command line tools, GitHub, and Python

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**TECHNICAL STRENGTHS**


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**Computer Languages**R, Praat, L<sup>A</sup>T<sub>E</sub>X, MatLab, Python

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**PROFESSIONAL AFFILIATIONS**


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**American Speech-Language-Hearing Association***Member*

2019 — Present

**ASHA Special Interest Groups 2, 19***Member*

2016 — Present

**Academy of Neurologic Communication Disorders and Sciences***Member*

2018 — 2019

**Movement Disorders Society***Member*

2016 — 2019

**American National Student Speech-Language-Hearing Association***Student Member*

2016 — 2019

**Ontario Association of Speech-Language Pathologists and Audiologists***Student Member*

2014 — 2019

## OTHER INFORMATION

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<b>Citizenship</b>	United States
<b>Permanent Residency</b>	Canada
<b>Languages</b>	English (native), Spanish (advanced), French (novice)