

THEA KNOWLES

Buffalo, NY
theaknow@buffalo.edu

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

Last updated: October 3, 2020

CURRENT EMPLOYMENT

Assistant Professor (tenure system) Communicative Disorders & Sciences University at Buffalo Buffalo, NY	2019 - Present
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EDUCATION

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

FUNDING

Funded: Research Scholarships

- Ontario Graduate Scholarship; 2017 — 2019 (Value: \$15,000 CAD annually)
 - Competitive (merit-based) scholarship through the Province of Ontario Graduate Scholarship Program
- Western University Graduate Research Scholarship; 2014 — 2019 (Value: approx. \$19,000 CAD annually)
 - Annual graduate student funding

Funded: Clinical Grants

- Parkinson Voice Project LOUD Crowd® Grant' 2020 - 2021

Internal Funding

University at Buffalo start-up fund

, 2019 (Value: 275,500 **Unfunded**

- **American Speech-Language-Hearing Foundation New Investigators Research Grant; 2020**
- **American Speech-Language-Hearing Association Advancing Academic-Research Careers Award; 2020**
- **Vanier Scholarship Nominee (nominated by Western University Faculty of Health Sciences); 2016**

HONOURS & AWARDS

Travel Awards

- Graduate Student Conference Summer Travel Subsidy (Western University Society of Graduate Students); 2018 (Value: \$500 CAD)
- Graduate Student Conference Spring Travel Subsidy (Western University Faculty of Health Sciences); 2018 (Value: \$250 CAD)
- Graduate Student Conference Winter Travel Subsidy (Western University Society of Graduate Students); 2018 (Value: \$300 CAD)
- Graduate Student Conference Spring Travel Subsidy (Western University Society of Graduate Students); 2016 (Value: \$500 CAD)
- Graduate Student Conference Spring Travel Subsidy (Western University Health & Rehabilitation Sciences); 2016 (Value: \$400 CAD)
- Graduate Student Conference Spring Travel Subsidy (Western University Faculty of Health Sciences); 2018 (Value: \$300 CAD)

PUBLICATIONS

Journal Articles

1. **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*.
2. 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*.
3. 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.
4. 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
5. **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.

Proceedings & Working Papers

1. 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*.
2. **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.
4. 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*.
5. Cheng, J. & **Knowles, T.** (2012). Mandarin VP-Shell: Not as hard as you think. *McGill Cellar Door 1*, 4-20.

MANUSCRIPTS

1. 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.
2. **Knowles, T.**, Adams, S.G., & Jog, M. (Submitted). Voice acoustics along a modified speech rate continuum in Parkinson's disease.
3. **Knowles, T.**, Adams, S.G., & Jog, M. (In prep). Speech intelligibility along a speech rate continuum in Parkinson's disease.
4. **Knowles, T.**, Adams, S.G., & Jog, M. (In prep). Stop voicing contrast is robust in Parkinson's disease along a speech rate continuum.
5. **Knowles, T.**, Clayards, M. (In prep). Effects of prominence on stop consonant production.

CODE

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

Invited presentations

1. **Knowles, T.** Speech acoustic adjustments along a speech rate continuum in Parkinson's disease. Rehabilitation Science Seminar. University at Buffalo, Buffalo, NY. 3/2020.
2. **Knowles, T.** Speech amplification clinic: Speech-language pathology in-service. H.A. Leeper Speech & Hearing Clinic. Western University, London, ON. 1/2019.
3. **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.
4. **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.

5. **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

1. **Knowles, T.**, Adams, S., & Jog, M. VOT voicing distinction is robust along a speech rate continuum in dysarthria. Laboratory Phonology, Virtual, 07/2020. *International poster presentation*.
2. **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*.
3. **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*
4. **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*
5. **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*
6. 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*.
7. **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*.
8. 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*.
9. **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*.
10. 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*.
11. **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*.

12. 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.*
13. 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.*
14. 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.*
15. 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.*
16. 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.*
17. 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.*
18. 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.*
19. **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

1. **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.*
2. **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.*
3. **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.*
 4. **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.*
 5. 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.*
 6. **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.*
 7. **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.*
 8. **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.*
 9. 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.*
 10. 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.*
 11. 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

“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

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*Linguistics Department, McGill University*

November 2011 - June 2014

Montréal, QC

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

PROFESSIONAL EXPERIENCE: CLINICAL

Speech-language pathologist (Clinical Fellowship)*University at Buffalo Speech, Language, and Hearing Clinic*

November 2019 - present

Buffalo, NY

- I lead three weekly LOUD Crowd® group therapy sessions for people with Parkinson's disease through the University at Buffalo Speech, Language, and Hearing Clinic as a part time speech-language pathologist. This role is incorporated into my current position as Assistant Professor (tenure track) at the University at Buffalo.
- I am the primary speech-language pathologist on our clinical grant via the Parkinson Voice Project, which funds the LOUD Crowd®.

Student Clinician: Hospital*Grand River Hospital*

July 2019 - August 2019

Kitchener, ON

- Provided swallowing and communication assessments on a stroke unit.

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

September 2018 - June 2019

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*Thames Valley District Schoolboard*

May 2018 - June 2018

London, ON

- Conducted assessment and intervention for school-aged children

Student Clinician: Fluency disorders*Camp ShoutOut*

August 2017

Holton, MI, USA.

- Provided individual and group intervention to children with fluency disorders

Student Clinician: Acquired neurogenic language disorders*H.A. Leeper Speech & Hearing Clinic*

May 2015 - July 2015

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

University at Buffalo, Department of Communicative Disorders & Sciences

Motor Speech Disorders (CDS640)
Graduate

Fall 2020

Anatomy and Physiology of the Speech Mechanism (CDS288)
Undergraduate

Fall 2019, 2020

Teaching Assistant

Western University, Department of Communication Sciences & Disorders

Speech Science (COMMSCI9615)

Fall 2016, 2017

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

Voice Disorders (COMMSCI9631)

Spring 2017

- 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

- Terminated after 2 sessions due to COVID19 pandemic

“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

“Introduction to Praat Scripting”
Department of Linguistics

Spring 2014
McGill University

ACADEMIC SERVICE & LEADERSHIP

Lab Director: Clinical Applications of Speech Acoustics (CASA) Lab
Communicative Disorders & Sciences, University at Buffalo

2019 — Present
Buffalo, NY

Co-founder: R-Ladies
London, Ontario Chapter

2017 — 2019
London, ON

Advising

MA Thesis Committees

University at Buffalo, Department of Communicative Disorders & Sciences

- Francesca D'Alessandro. Title TBA. In progress.

Reviewing

Journal Articles

- American Journal of Speech Language Pathology; 2020 (3)
- Journal of Speech, Language, and Hearing Research; 2020 (2)
- International Journal of Language and Communication Disorders; 2020 (1)

Conference Abstracts

- Western University Health & Rehabilitation Sciences Graduate Research Conference (2015, 2016)

Service to the Department

Communicative Disorders & Sciences

University at Buffalo

- Member of Coalition for Anti-Racism & Equity; Summer 2020 - Present
- Member of search committee for Clinical Assistant/Associate Professor; Fall 2020
- Leader of subcommittee departmental SWOT analysis; Winter 2020
- Member of search committee for Assistant Professor; Fall 2019
- Member of search committee for Assistant Professor; Fall 2019

Service as Graduate Student

Health & Rehabilitation Sciences Graduate Student Society

Western University

- Chair/Organizer: Alumni Speaker Series; 2016 — 2017
- Leader of Sponsorship Subcommittee for Graduate Research Conference; 2016 –2017
- Vice-President Finance; 2016 — 2017
- President; 2015 — 2016
- Co-Organizer: Graduate Research Conference; 2016
- Professional Program Preview Day Volunteer (School of Communication Sciences & Disorders); 2015

PROFESSIONAL DEVELOPMENT AND VOLUNTEERING

Pathways Program Attendee

June 2020

American Speech-Language-Hearing Association

Mentorship program (virtual)

- 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."

New Faculty Academy Attendee (Scholarly Writing)*University at Buffalo*

Fall 2019

Buffalo, NY

- 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

PROFESSIONAL AFFILIATIONS**Member**

- American Speech-Language-Hearing Association (ASHA); 2019 — Present
- ASHA Special Interest Groups 2, 19; 2016 — Present
- Academy of Neurologic Communication Disorders and Sciences; 2018 — 2019
- Movement Disorders Society; 2016 — Present
- American National Student Speech-Language-Hearing Association; 2016 — 2019
- Ontario Association of Speech-Language Pathologists and Audiologists (Student member); 2014 — 2019

TECHNICAL STRENGTHS**Computer Languages**R, Praat, L^AT_EX, MatLab, Python**OTHER INFORMATION**

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