Amanda Eads

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Education

2026	Ph.D. Communicative Sciences & Disorders, New York University
2024	M.Phil. Communicative Sciences & Disorders, New York University
2016	M.A. English: Sociolinguistics, North Carolina State University
2012	B.A. English: Language, Writing, and Rhetoric B.A. Interdisciplinary Middle Eastern Studies; Study Abroad Cairo, Egypt (2010) North Carolina State University
2011	Teaching English as a Second Language Certification, North Carolina State University

Grants and Awards

2026	American Speech Language and Hearing Association Pathways Program Protégé
2026	NYU Steinhardt Dissertation Finishing Award, $10,000
2024-2026	NIH NIDCD Pre-Doctoral Dissertation Grant 1F31DC022514-01: Enhancing AI-based Speech Therapy through Acoustic-Derived Articulatory Feedback; Scored 17
2024	NYU Discovery Research Fund Award, $20,000 for Enhancing Speech Therapy Through Multimodal Artificial Intelligence; PI McAllister
2024	NYU Tech Venture Accelerator Program, $40,000 for Sonority Labs-StaRt team
2024	Council of Academic Programs in Communication Sciences and Disorders Doctoral (CAPCSD) Scholarship, $10,000
2023	American Speech Language and Hearing Association Research Mentoring Pair Travel Award for the Artificial Intelligence Symposium, $1000
2022	Steinhardt Summer Research and Travel Grant, $1500
2021-2025	Tureen Award, $250
2020-2025	Steinhardt Doctoral Fellowship
2018	US Embassy Small Grant for 7Hills Skate Park, Amman, Jordan. $10,000
2017-2018	Fulbright Fellow, Amman Jordan
2017-2018	Critical Language Enhancement Award, Amman Jordan
2017	NEH Summer Institute Grant, University of Chapel Hill, North Carolina
2016	NCSU Common Reading Grant for “Talking Black in America: Documentary Screening and Panel Discussion.” $330
2015	Dr. Phillip M. Kayal Fund for Arab American Research Grant, $500
2015	Summer Research Travel Grant, Moise A. Khayrallah Center for Lebanese Diaspora Studies, $1500
2013	Teacher of the Year, Strathfield College, Sydney Australia, $200
2013	English Australia Contribution to Professional Practice Award, $1000
2011	NCSU Foreign Language and Literatures Advanced Arabic Award
2010	NCSU Foreign Language and Literatures Intermediate Arabic Award
2008-2012	NCSU University Scholars Program
2008-2012	NCSU Pack Promise Scholar
2008	State Employee Credit Union Scholarship, $10,000
2008	Foundation for the Carolinas Scholarship, $4000
2008	Janice M. Scott Memorial Scholarship, $2500
2008	Union County Chapter of Educational Office Professionals Scholarship, $500
2008	Monroe Union Rotary Club Scholarship, $500

Publications

In Preparation

Eads, A., Kim, T., Lazarus, R., Leece, M.C., Hitchcock, E., Preston, J., McFee, B., Shu, H., & McAllister, T. (Under minor revision). *Identifying subtypes of rhotic distortions using self-supervised learning on lingual ultrasound data.*

Lara, M.P.**, Eads, A., Shiller, D., Preston, J., Hitchcock, E., & McAllister, T. (Under minor revision). *Does Speech Treatment Affect Perception? Evidence From a Randomized Trial in Children With RSSD.*

Eads, A., Bellavance, S.R., & Brea, M.R. (Submitted). *Is Sociolinguistics Culturally Responsive? A Course Description and Call to Action.*

McAllister, T., Guenther, F., Eads, A., Kabakoff, H., Hill, J., Preston, J., Shiller, D. & Hitchcock, E. (Submitted). *Treatment Response Across Biofeedback Modalities May Be Mediated by Auditory and Somatosensory Acuity.*

Eads, A., McAllister, T., Preston, J., Hitchcock, E., Kim, T., Shu, H. & McFee, B. *Optimizing Parameters for Acoustic Classification of American English Rhotic Tongue Shapes in Child Speech.*

Eads, A.*, Swartz, M.T.*, Hitchcock, E., Preston, J. & McAllister, T. *A Child-Focused Perspective on Social, Emotional, and Academic Impacts of Rhotic Distortion in School-Aged Children.*

Kabakoff, H.*, Eads, A.*, Preston, J., Tiede, M., Whalen, D.H., & McAllister, T. *The status of tongue shape complexity in predicting speech outcomes for rhotic misarticulation.*

Scheer, B.**, Eads, A., Kearney, E., Hitchcock, E., Guenther, F., & McAllister, T. *FastAdapt: SimpleDIVA Model Fits to Child Speech Data from a Shortened Adaptive Protocol.*

Swartz, M.T.*, Eads, A.*, McAllister, T., Preston, J., & Hitchcock, E. *Comparison of Caregiver-Child Perspectives on Social, Emotional, and Academic Impacts of Rhotic Distortion in School-Aged Children.*

*Designates equal contribution
**Supervised student

Peer Reviewed Publications

Eads, A., Kearney, E., Koda, A.**, Medina, I.**, Hitchcock, E., Shiller, D., Guenther, F., & McAllister, T. (2026). *Auditory Acuity and Response to Altered Auditory Feedback in Children with and without Rhotic Distortions.* Folia Phoniatrica et Logopaedica. https://doi.org/10.1159/fpl/acvag022

Kim, T., Eads, A., McFee, B., McAllister, T., & Shu, H. (2026). *Self-Supervised Learning on Lingual Ultrasound Video Encodes Clinically Meaningful Articulatory Structure of Rhotic Production in Residual Speech Sound Disorder.* In International Conference on Medical Image Computing and Computer-Assisted Intervention (pp. 570–580). Springer Nature Switzerland. https://doi.org/10.1007/978-3-032-38069-2_54

Eads, A., Kabakoff, H., Benway, N.R., Hitchcock, E., Preston, J., & McAllister, T. (2025). PERCEPT-US: A multimodal American English child speech corpus specialized for articulatory feedback. In Proc. Interspeech 2025, 2805-2809, doi: 10.21437/Interspeech.2025-2407

McAllister, T., Traver, P., Eads, A., Haack, W., Carey, H., Shan, Y., Liang, W., Park, T.H. (2025) Accessible Delivery of Visual-Acoustic Biofeedback for Speech Sound Disorder. In Proc. Interspeech 2025, 4967-4968

The Languaging and Human Rights Collective. (2025). Witnessing the Genocide in Gaza: A Collective Outcry of Speech-Language-Hearing Scientists and Language Scholars Around the World. *Journal of Critical Study of Communication and Disability*, *2*(2), 10–19. https://doi.org/10.48516/jcscd_2024vol2iss2.51

Blanchette, F., De La Rosa, J., Eads, A., Hunt, L., & Lai, L.F. (2025). The Pennsylvania English Final Rise-Fall: Intonation and the pragmatics of yes-no questions. *Journal of English Linguistics*.

Eads, A., Kabakoff, H., King, H., Preston, J., & McAllister, T. (2024). An Articulatory Analyses of American English Rhotics in Children with and without a History of Residual Speech Sound Disorder. *Journal of Speech, Language, and Hearing Research*. https://doi.org/10.1044/2024_JSLHR-24-00037

Belavance, S., Eads, A., Katson, A., Álvarez Retamales, J., McCollum, A., Mitra, A., & Davidson, L. (2024). Vowel Nasalization Does Not Cue Ambisyllabicity in American English Nasals: Evidence from Nasometry. *JASA- Express Letter*. https://doi.org/10.1121/10.0027940

Eads, A., Kearney, E., Koda, A., Hitchcock, E., Shiller, D., Guenther, F., McAllister, T. (2023). Auditory acuity and response to altered auditory feedback in children with and without residual speech sound disorder. In Radek Skarnitzl & Jan Volín (Eds.), *Proceedings of the 20th International Congress of Phonetic Sciences* (pp. 873-877). Guarant International. https://guarant.cz/icphs2023/927.pdf

Nair, V. K. K., Khamis, R., Ali, S., Aveledo, F., Biedermann, B., Blake , O., Brea-Spahn, M.R., …, Eads., A., …, Zisk, A. H. . (2023). Accent Modification as a Raciolinguistic Ideology: A Commentary in Response to Burda et al. (2022). *Journal of Critical Study of Communication and Disability*, 1(1), 105–112. https://doi.org/10.48516/jcscd_2023vol1iss1.21

Ayala, S.A., Eads, A., Kabakoff, H., Swartz, M., Shiller, D.M., Hill, J., Hitchcock, E., Preston, J., & McAllister, T. (2023). Auditory and Somatosensory Development for Speech in Later Childhood. *Journal of Speech, Language, and Hearing Research.* https://pubmed.ncbi.nlm.nih.gov/36930986/

McAllister, T., Eads, A., Kabakoff, H., Scott, M., Boyce, S., Whalen, D. H., & Preston, J. (2022). Baseline Stimulability Predicts Patterns of Response to Traditional and Ultrasound Biofeedback Treatment for Residual Speech Sound Disorder. *Journal of Speech, Language, and Hearing Research.* https://pubmed.ncbi.nlm.nih.gov/35944047/

Dunstan, S., Eads, A., Jaeger, A., and Wolfram, W. (2018). "The Importance of Graduate Student Engagement in a Campus Language Diversity Initiative." *Journal of English Linguistics*. https://doi.org/10.1177/0075424218783446

Eads, A., Khater, J., and Mielke, J. (2018). Arabic L2 Acquisition: An Ultrasound Study of Emphatics and Gutturals In M.T. Alhawary (Ed.), *The Routledge Handbook of Arabic Second Language Acquisition*. New York City, NY: Routledge.

Popular Academic Publications

Editor for Penn State Bilingualism Matters Newsletter Summer/Fall 2019. Retrieved from https://sites.psu.edu/bilingualismmatters/

Eads, Amanda and Amy Lebkuecher. (2019). "Are Children Confused by Dual Language Input?" Penn State Bilingualism Matters Newsletter Winter/Spring 2019. Retrieved from https://sites.psu.edu/bilingualismmatters/winterspring-2019/are-children-confused-by-dual-language-input/

Eads, A. (2016, March 30). Rahme Haidar – The Writer. [Blog Post]. Retrieved from https://lebanesestudies.news.chass.ncsu.edu/2016/03/30/rahme-haidar-the-writer/

Eads, A. (2016, March 17). Rahme Haidar – The Performer. [Blog Post]. Retrieved from https://lebanesestudies.news.chass.ncsu.edu/2016/03/17/rahme-haidar-the-performer/

Eads, A. (2015, July 17). Lebanese Men, Lebanese Women… Is there a difference in how the identify themselves? [Blog Post]. Retrieved from https://lebanesestudies.news.chass.ncsu.edu/2015/07/17/lebanese-men-lebanese-women-is-there-a-difference/

Eads, A. (2015, July 1). Being Lebanese = Speaking Arabic? [Blog Post]. Retrieved from https://lebanesestudies.news.chass.ncsu.edu/2015/07/01/being-lebanese-speaking-arabic/

Eads, A. (2015, June 17). What does it mean to be Lebanese in America? [Blog Post]. Retrieved from https://lebanesestudies.news.chass.ncsu.edu/2015/06/17/what-does-it-mean-to-be-lebanese-in-america/

Research Experience

Aug 2026- Present	Postdoctoral Research Scientist, Clinical Biofeedback Lab with Dr. Elaine Hitchcock at Montclair State University
Sept 2026- Present	Associate Research Scientist in Biofeedback Intervention Technology for Speech Lab with Dr. Tara McAllister at New York University

Dec 2024- Present	Research Assistant in Speech Production Laboratory with Dr. Jonathan Preston at Syracuse University
Aug 2020- Aug 2026	Research Assistant in Biofeedback Intervention Technology for Speech Lab with Dr. Tara McAllister at New York University
Feb 2022- Aug 2023	Research Assistant in Speech Production Acoustics and Perception Lab with Dr. Douglas Whalen at City University of New York Graduate Center
Aug 2018 – Mar 2020	Research Technologist and Lab Manager for the Center for Language Science at The Pennsylvania State University. Worked with: *Speech, Language & Cognition Lab – Drs. Navin Viswanathan, Annie Olmstead;* *Language & Aging Lab – Dr. Michele Diaz;* *The Central PA Dialect Project - Dr. Frances Blanchette;* *MultiGrammar Lab – Dr. Matt Carlson;* *Bilingualism and Language Development Lab – Dr. Janet van Hell*
Jan 2017- Aug 2017	Interviewer and Transcriber for "The Raleigh Project" for Dr. Robin Dodsworth, NCSU
Jan 2015- May 2016	Research Assistant for Khayrallah Center for Lebanese Diaspora Studies for Drs. Akram Khater and Walt Wolfram, NCSU
Aug 2014- Dec 2016	Lab Technician for the Linguistics Lab for Dr. Walt Wolfram, North Carolina State University (NCSU)

Teaching Experience

Fall 2026- Spring 2027	Adjunct Assistant Professor, Undergraduate, Experimental Psycholinguistics, Hofstra University, New York
Summer 2026	Adjunct Instructor, Masters, Clinical Sociolinguistics, Montclair State University, New Jersey
Spring 2024 - Summer 26	Girls Who Code Elementary School Instructor, Empowering in the Community (EPiC) Organization, Rahway, NJ
Spring 24 – Summer 25	Adjunct Instructor, Masters, Culturally Responsive Practices II: The Educational Context, NYU Communicative Sciences & Disorders department (5 semesters; NYU CSD)
Spring 2025	ESL Instructor, Women Rising Inc. + Jersey City Free Public Library collaboration
Fall 2024	Adjunct Instructor, Masters, Speech Science Instrumentation, NYU CSD
Fall 2023	Adjunct Instructor, Undergraduate, Phonetics & Phonemics, NYU CSD
Spring 2023	Girls Who Code Elementary School Instructor, EPiC, Rahway, NJ
Fall 22- Spring 23	Teaching Assistant, Undergraduate, Science of Language, NYU CSD
Summer 2022	Teaching Assistant, Undergraduate, Language & Computers, NYU Linguistics

Spring 2018	Adjunct Instructor, Undergraduate, Advanced English Pronunciation, University of Jordan in Amman, Department of English Language & Linguistics (UJ – Ling)
Fall 2017 – Spring 2018	Adjunct Instructor, Undergraduate, Intercultural Communication, UJ – Ling
Fall 2017	Adjunct Instructor, Undergraduate, Introduction to Linguistics, UJ – Ling
Fall 2017	Secondary Girls School English Teacher, United Nations Relief and Works Agency, Amman Jordan
Spring 2017	Adjunct ESL Instructor, Adult English Level 3-4, Wake Technical Community College in Raleigh, NC (WTCC)
Fall 2014- Spring 2016	Teaching Assistant, Elementary Arabic- FLA 101, North Carolina State University
Fall 2015	ESL Instructor, TESOL Program at North Carolina State University
Fall 2014 - Spring 2015	Adjunct ESL Instructor, Adult English Level 5, WTCC
Mar 2014- July 2014	SAT Trainer, American SAT Centre, Sydney Australia
Oct 2012- July 2014	ELICOS Teacher, Strathfield College, Sydney Australia
Summer 11- Spring 12	ESL Instructor, TESOL Program at North Carolina State University

Administrative and Service Experience

2026 – Present	Board Member, Empowering in the Community (EPiC), Rahway, NJ
2022 - Present	Vice President and Board member, I Love to Read (IL2R) Book and Literacy Organization, Rahway, NJ
2023 – 2025	Member, Ideologies of “Good Languaging” Affinity/Working Group, funded by NYU Latinx Project and NYU Steinhardt Office of Research
2017 – 2018	Part Time Grant Writer, 7Hills Skate Park, Amman Jordan
Spring 2017	ESL Advisor, Wake Technical Community College
Aug 2015- Dec 2016	Lead Ambassador, Language Diversity Ambassadors at NC State University
June 2013- July 2014	Student Activities Coordinator, Strathfield College, Sydney Australia

Ad Hoc Reviewer: American Journal of Speech Language Pathology (2), American Speech (1), Journal of Speech, Language, and Hearing Research (1), Language Learning and Development (2), The Journal of the Acoustic Society of America (1)

Professional Presentations

Invited Talks

Eads, Amanda. 2026. Navigating the NIH F31 experience. CSCD-GE-3022: Grant Writing for Health Fields, NYU. October, 15, 2026.

Clements, K., Crump, J., Eads, A. & Huston, M. 2026. Panel on Investing in Innovation: Funding Ultrasound Technology to Advance SLP Training and Clinical Outcomes. The Inaugural Ultra-SLP Conference. Cincinnati, Ohio. July 16, 2026.

Eads, Amanda and Taehyo Kim. 2026. Identifying Clinically Relevant Articulatory Patterns within American English Rhotic Productions using Self-supervised Learning on Lingual Ultrasound Data. NYU MARL Short Talks. Brooklyn, NY. April 2, 2026.

Eads, Amanda. 2026. Ultrasound and Visual Acoustic Biofeedback in the Clinical Speech Context. Molloy University's Fifth Annual Communication Sciences and Disorders Convention. Rockville Center, NY. March 6, 2026.

Eads, Amanda. 2026. PERCEPT-US: A Multimodal American English Child Speech Corpus Specialized for Articulatory Feedback. CSCD-GE-3021: Technology and Innovation in CSD, NYU. February 12, 2026.

Eads, Amanda. 2025. Navigating the NIH F31 experience. CSCD-GE-3022: Grant Writing for Health Fields, NYU. September, 18, 2025.

Eads, Amanda, Brittani Morris and Anna Palumbo. 2025. NIH Predoctoral Grant Writing Panel. Center of Health and Rehabilitation Research Annual Spring Research Showcase. NYU. April 25, 2025.

Eads, Amanda. 2022. An Articulatory Analysis of American English /ɹ/ in Typically Developing Children and Children Receiving Ultrasound Biofeedback. NYU Phonetics and Experimental Phonology Lab. February 18, 2022.

Eads, Amanda. 2020. An Articulatory Investigation of Arabic Emphatics and Gutturals Using Ultrasound. Penn State Center for Language Science Lecture Series. March 6, 2020.

Eads, Amanda and Frances Blanchette. 2019. The Central PA Dialect Project. Perry County Rotary Club. November 19, 2019.

Eads, Amanda and Caleb Kurowski. 2018. Jordanian Fulbright Foreign Language Teaching Assistants: Pre-Departure Orientation. Fulbright Organization. Amman, Jordan. May 2018.

Reaser, Jeff, Amanda Eads and Jessica Hatcher. 2016. Language Variation: The Forgotten Dimension of Diversity. Diversity Education Week, North Carolina State University. October 15, 2016.

Eads, Amanda. 2015. Talkin' TarHeel: The Dialect Legacy of North Carolina. Guest Speaker for Science, Technology and Society 323. North Carolina State University. November 9, 2015.

Eads, Amanda. 2015. From Speech to Writing: Handling Dialect Diversity in Formal Written Academic English. Guest Speaker for University Writing Center Tutors. North Carolina State University.

Eads, Amanda. 2014. Language as a Cultural Crossroad. Office of International Services International Student Event. North Carolina State University.

Dunstan, Stephany and Amanda Eads. 2014. Language in the Academic Classroom. Guest Speaker for Women in Engineering Organization. North Carolina State University.

Eads, Amanda. 2013. Teaching Unplugged: Technology in the Classroom. English Australia: MEET ELT. Sydney, Australia. July 2013.

Workshops

Bellevance, Sarah and Amanda Eads. 2025. The GAMM-ification of Nasals. Workshop for NYU Linguistics Acoustics Phonetics Class. March 18, 2025.

McAllister, Tara and Amanda Eads. 2025. Ultrasound Biofeedback for Clinical Speech Applications. Workshop for NYU Clinical Masters students. January 29, 2025.

Eads, Amanda. 2024. Praat for Speech Science. Workshop for NYU Communicative Sciences & Disorders Doctoral Students. June 27, 2024.

McAllister, Tara and Amanda Eads. 2022-23. Visualizing Speech to Enhance Treatment Outcomes in Communication Disorders. Workshop for NYU Clinical Immersions. Semesterly 2022-23.

Eads, Amanda. 2019. Using Ultrasound for Language Science Research. Workshop for Penn State faculty and students, hosted by the Speech, Language & Cognition Lab. Multiple workshops.

Eads, Amanda. 2018. VOT and Reaction Time Coding using Praat Scripts. Workshop for the Language & Aging Lab, Penn State University. October & November 2018.

Eads, Amanda. 2016. Using Praat in an ESL Classroom. Workshop for Lebanese Fulbright Scholars. North Carolina State University, August 17, 2016.

Eads, Amanda. 2016. Basics of Tweet Mining. Workshop for Lebanese Fulbright Scholars. North Carolina State University, August 17, 2016.

Conference Talks

Eads, A., Kim, T., McFee, B., McAllister, T. & Shu, H. (Accepted). Self-supervised learning on American English rhotic ultrasound videos encodes clinically meaningful articulatory patterns. Ultrasound XII: Conference on Ultrasound Imaging for Speech and Language Research. Paris, France. November 2026.

McAllister, T., Hitchcock, E., Preston, J.L., Benway, N.R., Eads, A., Campbell, T., & Hill, J. (Accepted). Ultrasound biofeedback outperforms other feedback types for generalization of /ɹ/ in a large-scale randomized controlled trial. Ultrasound XII: Conference on Ultrasound Imaging for Speech and Language Research. Paris, France. November 2026.

Eads, A., Kim, T., Lazarus, R., Leece, M.C., Hitchcock, E., Preston, J., McFee, B., Shu, H., & McAllister, T. (2026). Identifying clinically relevant articulatory patterns within perceptually inaccurate rhotic productions using self-supervised learning on lingual ultrasound data. Madonna Rehabilitation Motor Speech Conference. Tempe, Arizona. February 2026.

McAllister, T., Traver, P., Eads, A., Haack, W., Carey, H., Shan, Y., Liang, W., & Park, T.H. (2025). Accessible Delivery of Visual-Acoustic Biofeedback for Speech Sound Disorder. *INTERSPEECH.* Rotterdam, Netherlands. August 2025.

Eads, A., Oh., J.**, Lara, M.P.**, Preston, J., & McAllister, T. (2024). Do tongue shapes predict acoustics in American English rhotics? 187th Meeting of the Acoustical Society of America. Virtual. November 2024.

Eads, A., Khater, J., & Mielke, J. (2024). An Articulatory Investigation of Arabic Emphatic and Guttural Consonants using Ultrasound. Annual Symposium of Arabic Linguistics. Brooklyn, NY. February 2024.

Álvarez Retamales, J., Belevance, S., Eads, A., Katson, A., McCollum, A., Mitra, A., & Davidson, L. (2024). Vowel Nasalization Does Not Cue Ambisyllabicity in American English Nasals: Evidence from Nasometry. Annual Meeting of the Linguistic Society of America. NYC, NY. January 2024.

Eads, A., Kearney, E., Koda, A.**, Medina, I.**, Hitchcock, E., Shiller, D., Guenther, F., & McAllister, T. (2023). Auditory Perturbation-Derived Sensory Profiles of Children with and without Residual Distortions of American English /ɹ/. American Speech Language and Hearing Association Convention. Boston, MA. November 2023.

Eads, A., Kearney, E., Koda, A.**, Medina, I.**, Hitchcock, E., Shiller, D., Guenther, F., & McAllister, T. (2023). Auditory Acuity and Response to Altered Auditory Feedback in Children with and without Residual Speech Sound Disorder. International Conference of Phonetic Sciences. Prague, Czech Republic. August 2023.

Eads, A., Kearney, E., Koda, A.**, Medina, I.**, Hitchcock, E., Shiller, D., Guenther, F., & McAllister, T. (2023). Sensory Acuity and SimpleDIVA Modeling of Response to Altered Auditory Feedback in Children with and without Residual Speech Sound Disorder. Boston Speech Motor Control Symposium. Boston, MA. June 2023.

Whalen, D., Tiede, M., Chen, W.R., Iwasaki, R., & Eads, A. (2022). Measuring Pivot Strength in Ultrasound Images of the Tongue. Ultrafest X. Manchester, England. November 2022.

Eads, A., Kabakoff, H., King, H., Preston, J., & McAllister, T. (2022). An Articulatory Analysis of American English /ɹ/ in Typically Developing Children and Children Receiving Ultrasound Biofeedback. Ultrafest X. Manchester, England. November 2022.

Eads, A., Kabakoff, H., King, H., Preston, J., & McAllister, T. (2022). Tongue Shapes for American English /ɹ/ in Children with and without History of Residual Speech Sound Disorder. International Conference on Child Phonology. Virtual. June 2022.

Eads, Amanda. 2022. Why do children's English /ɹ/ tongue shapes matter? NYU Steinhardt 10th Annual Research Showcase. April 20, 2022.

Eads, Amanda, Blanchette, Frances, De La Rosa, Johan, Harman, Amanda and Li Fang Lai. 2021. The Prosody of the Pennsylvania Dutch Question. New Ways of Analyzing Variation. Virtual. October 2021.

Eads, Amanda. 2018. Syrian-Lebanese in Grand Rapids: Ethnic Identity Construction through Chronotopes of Nostalgia. Multifaceted Multilingualism Workshop at the annual meeting of The Australian Linguistic Society. Adelaide, Australia. December 2018.

Eads, Amanda and Jessica Hatcher. 2017. Educating the Educated: The Role of University-Based Linguistic Diversity Programs. College English Association 48th Annual Conference. Hilton Head Island, SC. March 2017.

Eads, Amanda. 2017. Lebanese Resonations: A Multidimensional Analysis of Being and Sounding Lebanese in the U.S. Arab American Studies Association. Detroit, Michigan. March 2017.

Eads, Amanda. 2017. Lebanese Resonations: Being Lebanese in Grand Rapids Michigan. Southeastern Conference on Linguistics. Charleston, SC. March 2017.

Eads, Amanda, Jodi Khater and Jeff Mielke. Arabic L2 Acquisition: An Ultrasound Study of Emphatics and Gutturals. Arabic Second Language Acquisition Conference. Ann Arbor, Michigan. September 2016.

Eads, Amanda. 2015. Lebanese-American in the South: Transition from Diasporic to Hyphenated Identity. Middle East Studies Association Annual Meeting, Denver Colorado, November 2015.

Eads, Amanda. 2015. Lebanese-American in the South: Transition from Diasporic to Hyphenated Identity. Southeast Conference on Linguistics 82, Raleigh North Carolina, April 2015.

Eads, Amanda, Julija Stepanova, and Aparna Jacob. 2014. Preparing L2 learners for extensive reading through 'Reciprocal Teaching Strategies'. University English Centres Australia: PD Fest, Sydney Australia, March 2014.

Benson, Karen, Amanda Eads and Julija Stepanova. 2013. Preparing L2 learners for extensive reading through 'Reciprocal Teaching Strategies'. English Australia Conference, Perth Australia, September 2013.

Wolfram, Walt, Hayley Heaton, and Amanda Eads. 2013. Lebanese English in the American South: Dialect Accommodation and Recession of Substrate. American Dialect Society. Portland, Oregon. January 2013.

Eads, Amanda. 2012. The Emergence of Lebanese English in the American South: The Configuration of Substrate and Dialect Accommodation. Southeast Conference on Linguistics 79, Lexington, Kentucky. April 2012.

Eads, Amanda. 2012. The Emergence of Lebanese English in the American South: The Configuration of Substrate and Dialect Accommodation. Undergraduate Student Conference on Language Variation and Language Contact, Ann Arbor, Michigan. March 2012.

Conference Posters

Kim, T., Eads, A., McFee, B., McAllister, T., & Shu, H. (2026). *Self-Supervised Learning on Lingual Ultrasound Video Encodes Clinically Meaningful Articulatory Structure of Rhotic Production in Residual Speech Sound Disorder.* 29th International Conference on Medical Image Computing and Computer Assisted Intervention in Strasbourg, France. September 2026.

Eads, A., Kim, T., Preston, J., Hitchcock, E., Shu, H., McAllister, T., & McFee, B. (2026). Using Chebyshev polynomials to evaluate self-supervised representation learning of American English rhotics in the PERCEPT-UltraSound corpus. CorpusPhon2 at LabPhon20 in Montréal, Québec, Canada. June 2026.

Lara, M.P.**, Eads, A., Shiller, D., Preston, J., Hitchcock, E., & McAllister, T. (2026). Does Speech Treatment Affect Perception? Evidence From a Randomized Trial in Children With RSSD. Madonna Rehabilitation Motor Speech Conference. Tempe, Arizona. February 2026.

Eads, A., Rosen, A., Lazarus, R., Leece, M., McAllister, T., Preston, J., & Hitchcock, E. (2025). From Practice to Conversation: Speech Sound Generalization in Children. American Speech Language and Hearing Association Annual Convention. Washington DC. November 2025.

Lara, M.P.**, Eads, A., Shiller, D., Preston, J., Hitchcock, E., & McAllister, T. (2025). Changes in Speech Perception and Somatosensory Function After Treatment for Speech Sound Disorder. American Speech Language and Hearing Association Annual Convention. Washington DC. November 2025.

Eads, A., Kabakoff, H., Benway, N.R., Hitchcock, E., Preston, J., & McAllister, T. (2025). PERCEPT-US: A multimodal American English child speech corpus specialized for articulatory feedback. INTERSPEECH, Rotterdam, Netherlands. August 2025.

Eads, A., Kabakoff, H., King, H., Hitchcock, E., Preston, J., & McAllister, T. (2025). *The relationship between higher formants and tongue shapes in American English rhotics*. 5th Biennial Boston Speech Motor Control Symposium (BSMCS), Boston, MA. June 2025.

Kabakoff, H., Eads, A., Preston, J., Tiede, M., Whalen, D.H., & McAllister, T. (2025). The status of tongue shape complexity in predicting speech outcomes for rhotic misarticulation. 5th Biennial Boston Speech Motor Control Symposium (BSMCS), Boston, MA. June 2025.

Scheer, B.**, Eads, A., Kearney, E., Hitchcock, E., Guenther, F., & McAllister, T. (2025). FastAdapt: SimpleDIVA Model Fits to Child Speech Data from a Shortened Adaptive Protocol. 5th Biennial Boston Speech Motor Control Symposium (BSMCS), Boston, MA. June 2025.

Lara, M.P.**, Eads, A., Shiller, D., Preston, J., Hitchcock, E., & McAllister, T. (2025). Changes in Auditory and Somatosensory Function After Treatment for Speech Sound Disorder. 5th Biennial Boston Speech Motor Control Symposium (BSMCS), Boston, MA. June 2025.

Eads, A., Benway, N., Kim, T., McFee, B., Preston, J., Shu, H., & McAllister, T. (2024). Enhancing AI-based Speech Therapy through Acoustic to Articulatory Mapping. Poster presentation at NYU Bridging AI Innovation and Societal Impact Research Symposium. NYC, NY. April 2024.

Swartz, M., Eads, A., McAllister, T., Hitchcock, E., & Preston, J. (2023). Attitudes Towards Communication and Social-Emotional Well-Being in Caregivers and Older Children with CAS and RSSD. Poster presentation at ASHA Convention, Boston, MA. November 2023. (Meritorious Poster Award)

Ayala, S., Eads, A., Kabakoff, H., Hitchcock, E., Preston, J., McAllister, T. (2022). Auditory and somatosensory abilities of typically developing children. Poster presentation at ASHA Convention, New Orleans, LA. November 2022. (Meritorious Poster Award)

Eads, A., Kabakoff, H., King, H., Preston, J., & McAllister, T. (2022). Articulatory Analyses of American English /ɹ/ in Typically Developing Children and Children Receiving Ultrasound Biofeedback. Poster presentation at ASHA Convention, New Orleans, LA. November 2022.

Ayala, S., Eads, A., Kabakoff, H., Preston, J., Hitchcock, E., & McAllister, T. (2022). Auditory and Somatosensory Abilities of Children With and Without Residual Speech Sound Disorder. Poster presented at the International Child Conference on Phonology. Virtual. June 2022.

Eads, A., Kabakoff, H., Boyce, S., Preston, J., Whalen, D.H., & McAllister, T. (2021). Stimulability as a Predictor of Response to Traditional and Ultrasound Biofeedback Treatment for Rhotic Misarticulation. Poster presented at the American Speech Language and Hearing Association Convention, Virtual. (Meritorious Poster Award)

Eads, A., Kabakoff, H., Boyce, S., Preston, J., Whalen, D.H., & McAllister, T. (2021). Stimulability as a Predictor of Treatment Response in an Ultrasound Biofeedback Study of Rhotic Misarticulation. Poster presented at the 2021 Boston Speech Motor Control Symposium, Virtual.

Diaz, M.T., Zhang, H., Cosgrove, A.L., Gertel, V.H., Karimi, H., Troutman, S.B.W., Barnum, O., Eads, A., Henderson, M., & Lebkeucher, A. (2020). Neural sensitivity to close phonological neighbors is consistent across the lifespan. Poster presented at the 12th meeting of the Society for the Neurobiology of Language, Philadelphia, PA (virtual).

Eads, Amanda. 2020. Lebanese Arabic Emphatic and Guttural Consonants: An Ultrasound Study. Linguistic Society of America 94th Annual Meeting. New Orleans, LA. January 2020.

Eads, Amanda. 2019. Lebanese Arabic Emphatic and Guttural Consonants: An Ultrasound Study. Studying Language Disorders in Multilingual Populations: Student Research Symposium. University Park, PA. December 2019.

Kaspar, Allison**, Amanda Eads, and Tifani Biro. 2019. Analyzing Clear Speech Through Ultrasound. Studying Language Disorders in Multilingual Populations: Student Research Symposium. University Park, PA. December 2019.

Eads, Amanda, Jodi Khater and Jeff Mielke. 2018. Heritage and L2 Learners' Acquisition of Arabic Emphatics and Gutturals: An Ultrasound Study. Young Scholars Speaker Series. University Park, PA. February 2019.

Eads, Amanda, Jodi Khater and Jeff Mielke. 2018. Heritage and L2 Learners' Acquisition of Arabic Emphatics and Gutturals: An Ultrasound Study. Multidisciplinary Approaches to Child and Adult Language Acquisition: Implications for Learning and Teaching Across Educational Settings. University Park, PA. October 2018.

Eads, Amanda. 2016. Immigrant Lebanese Code-Switching within Optimality Theory. Workshop on Arabic and Romance Languages at the Annual Arabic Symposium. Stony Brook University, NY, April 2016.

Eads, Amanda. 2016. Immigrant Lebanese Code-Switching within Optimality Theory. Linguistic Society of America, Washington DC, January 2016.

Eads, Amanda. 2015. The Sociolinguistic Significance of Lebanese Liquids: Production of /l/ and /r/ in Lebanese Arabic and English. New Ways of Analyzing Variation 44, Toronto Canada, October 2015.

**Supervised student

Languages & Skills

Spoken: Arabic, English, Spanish
Tools: Amazon AWS, MATLAB, Montreal Forced Aligner/Kaldi, Praat, Python, R, REDCap
Experimental Software: AAA, Eprime, PsychoPy
Experimental Methods:

Trained in: Ultrasound, Electroencephalogram (EEG), Magnetoencephalography (MEG), Nasometry, and behavioral methods;

Familiarity with: Eye-tracking, Functional magnetic resonance imaging (fMRI), and Electro Magnetic Articulography (EMA)

Professional Affiliations (Active membership denoted with *)

*Acoustical Society of America (ASA)
American Dialect Society (ADS)
*American Speech Language and Hearing Association (ASHA)
Annual Symposium of Arabic Linguistics (ASAL)
Arab American Studies Association (AASA)
*Association for Laboratory Phonology (ALP)
*Boston Speech Motor Control Symposium (BSMCS)
*International Speech Communication Association (ISCA)
Linguistic Society of America (LSA)
Middle East Studies Association (MESA)
*National Student Speech Language and Hearing Association (NSSHLA)
*Society of Women Engineers (SWE)
Southeast Conference on Linguistics (SECOL)