

Micah E. Hirsch, M.S.

Pronouns: They/Them

Email: mhirsch@fsu.eduWebsite: micah-hirsch.comTwitter: [@MicahEHirsch](https://twitter.com/MicahEHirsch)GitHub: [micah-hirsch](https://github.com/micah-hirsch)OSF: <https://osf.io/j4wvu/>ORCID: [0000-0002-2661-0101](https://orcid.org/0000-0002-2661-0101)**Curriculum Vitae**
Biographical Information**Education**

Ongoing	Florida State University Tallahassee, FL	Ph.D.	Communication Science and Disorders
Dec 2020	Florida State University. Tallahassee, FL	Cert.	Measurement and Statistics
Aug 2019	Florida State University Tallahassee, FL	M.S.	Communication Science and Disorders
May 2017	Arizona State University Tempe, AZ	B.S.	Speech and Hearing Science

Professional Experience

Aug 2022 – Present	Graduate Teaching Assistant	Florida State University
Aug 2019 – Aug 2022	Graduate Research Assistant	Florida State University

Honors and Awards

2022	ASHFoundation New Century Doctoral Scholarship Amount: \$10,000
2022	Kathy Yorkston Student Travel Award Amount: \$400
2022	Presentation Travel Grant, Amount: \$200 Congress of Graduate Students, FSU
2019	2 nd Place Poster Presentation Award College of Communication and Information, FSU

Professional Memberships

2016 – Present	National Student Speech Language Hearing Association
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2016 – Present American Speech Language Hearing Association
Special Interest Group 19: Speech Science

Research Experience¹

Funding

Extramural - Awarded

2018 Students Preparing for Academic-Research Careers (SPARC)
American Speech Language Hearing Association
Role: Recipient (Mentor: K. Lansford)
Amount: \$1,000

Extramural – Not Funded

2022 “Listening Effort in Dysarthric Speech Perception”
National Institutes of Health, National Institute on Deafness and
Other Communication Disorders 1F31 DC020907.
Role: Principal Investigator (Sponsor: K. Lansford)

Intramural - Awarded

2022 Research Mentor Materials Grant
FSU Undergraduate Research Opportunity Program (UROP)
Role: Research Mentor
Amount: \$250

Publications

Refereed

Thompson, A.R., **Hirsch, M.E.**, Kim, Y-J, & Lansford, K.L. (2023). Vowel acoustics as predictors of speech intelligibility in dysarthria. *Journal of Speech, Language, and Hearing Research*. https://doi.org/10.1044/2022_JSLHR-22-00287

Hirsch, M.E., Thompson, A.R., Lansford, K.L., & Kim, Y-J. (2022). The reliability and validity of speech-language pathologists’ estimations of speech intelligibility in dysarthria. *Brain Sciences*. 12(8). 1011. <https://doi.org/10.3390/brainsci12081011>

Hirsch, M.E., Lansford, K. L., Barrett, T., & Borrie, S. A. (2021). Generalized learning of dysarthric speech between male and female talkers. *Journal of Speech, Language, and Hearing Research*. 64(2), 444-451. https://doi.org/10.1044/2020_JSLHR-20-00313

¹ Some publications and presentations appear under a previous name.

Presentations***Refereed***

Thompson, A.R., **Hirsch, M.E.**, Kim, Y-J., Lansford, K.L. (2022). *Vowel acoustics as predictors of speech intelligibility in dysarthria* [Lecture]. Motor Speech Conference, Charleston, S.C.

Hirsch, M.E., Therrien, M., Borrie, S.A., & Lansford, K.L. (2021). *Listener comfort and its impact on successful communication: A qualitative analysis* [Poster]. Annual 2021 American Speech Language Hearing Association Convention, Washington, D.C.

Thompson, A.R., **Hirsch, M.E.**, Lansford, K.L., & Kim, Y-J. (2021). *Speech language pathologists' approximations of speech intelligibility in dysarthria* [Poster]. Annual 2021 American Speech Language Hearing Association Convention, Washington, D.C.

Hirsch, M.E., Lansford, K.L., Borrie, S., & Barrett, T. (2019). *Familiarization of dysarthric speech: Generalization between speakers of different sex* [Poster]. Annual 2019 American Speech Language Hearing Association Convention, Orlando, FL.

Weinhold, J., Becvar, B., **Hirsch, M.**, & Wisler, A. (2017). *Signal processing analysis of /r/ - Toward identifying acoustic features that can predict acquisition of /r/* [Lecture]. Annual 2017 American Speech Language Hearing Association Convention, Los Angeles, CA.

Weinhold, J., **Hirsch, M.**, & Wisler, A. (2016). *Signal processing analysis of adult productions of /r/: Beyond F2 and F3* [Poster]. Annual 2016 American Speech Language Hearing Association Convention, Philadelphia, PA.

Unpublished Manuscripts

Hirsch, M. (2017). *Accurate articulation of /r/: Relationships between signal processing analysis of speech and ultrasound images of the tongue* [Unpublished Honors Thesis]. Arizona State University.

Teaching Experience**Courses*****Florida State University***

Fall 2022	SPA 2001: Introduction to Communication Science and Disorders Instructor
Spring 2021	SPA 2001: Introduction to Communication Science and Disorders Instructor

SPA 4011C: Acoustics for Speech and Hearing
Co-Instructor (Supervisor: Kimberlee Crass, Ph.D.)

Invited Lectures

University of Georgia

March 2022 Dysarthria and Acquired Apraxia of Speech
 CMSD 4110: Speech Disorders

Florida State University

March 2019 Motor Speech Disorders
 SPA 2001: Introduction to Communication Science and Disorders

Feb 2019 Interprofessional Practice and Teaming in Hospital Settings
 SPA 5055: Professional Tools in Speech Language Pathology

Mentored Research

Undergraduate Thesis

Florida State University

2021 – 2022 Davis, P.
2019 – 2020 Lehnert, A.

Undergraduate Research

Florida State University

2022 – Present Bikulcius, S. (UROP²)
2021 – 2022 Strickland, M. (UROP)
2021 – 2022 Bishop, A. (UROP)

Service

External

2022 Peer Reviewer
 Seminars in Speech and Language

2022 – Present Co-Creator

² UROP is the Undergraduate Research Opportunity Program at Florida State University. In this program, undergraduate students enroll in a two-semester course where they complete a research project under the direction of a graduate student, postdoc, or faculty mentor.

	OpenCSD
2022 – Present	Collaborator CSDisseminate
2022	Volunteer University Ambassador CSDisseminate
2022	Committee Member/Reviewer Speech and Language Science Topic Committee Annual 2022 American Speech Language Hearing Association Convention
2021	Committee Member/Reviewer Motor Speech Disorders Across the Lifespan Topic Committee Annual 2021 American Speech Language Hearing Association Convention
2020	Committee Member/Reviewer Speech and Language Science Topic Committee Annual 2020 American Speech Language Hearing Association Convention (Cancelled due to COVID-19)

Florida State University

Feb 2022 – Aug 2022	Student Member Graduate Student Life Task Force Division of Student Affairs
April 2020 – Feb 2022	LGBTQ+ Student Advocate Representative Congress of Graduate Students
Feb 2018 – July 2018	College of Communication and Information Representative Congress of Graduate Students

Technical Skills

Programming Languages

R	Advanced Proficiency
Python	Novice Proficiency

Applications

PRAAT, Audacity, SPSS Statistics, Microsoft Word, PowerPoint, Excel, Google Docs, Adobe, EyeLink Experiment Builder