

**CURRICULUM VITAE OF SHAE DANIEL MORGAN**

Department of Otolaryngology Head and Neck Surgery and Communicative Disorders  
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**EDUCATION**

2014-2018 Doctor of Audiology, Clinical audiology, University of Utah  
2013-2018 Doctor of Philosophy, Audiology, University of Utah  
*Dissertation: Informational masking and emotion in the speech signal*  
*GPA: 4.0*  
2013 Bachelor of Science, Communication Disorders, Brigham Young University  
2008 Associate of Arts, Business Finance, St. Charles Community College

**PROFESSIONAL EXPERIENCE**

2018-present Assistant Professor, University of Louisville, School of Medicine  
2018-present Director, Speech and Auditory Perception Laboratory, University of Louisville  
2013-2018 Graduate Research Assistant, Speech Acoustics and Perception Laboratory – led by Sarah Hargus Ferguson, Department of Communication Sciences and Disorders, University of Utah  
2014-2018 Member, Auditory Perception and Physiology Laboratory – led by Skyler Jennings, Department of Communication Sciences and Disorders, University of Utah.

**HONORS AND AWARDS****RESEARCH**

2017 Audiology Research Travel Award, American Speech-Language-Hearing Association  
2016 Research Mentor-Pair Travel Award, American Speech-Language-Hearing Association  
2016 Press release of research, *Perceived anger in clear speech: Effect of simulated hearing loss*, University of Utah  
2015 Best Student/Trainee Poster Award, 9<sup>th</sup> Annual Research Retreat, Center on Aging, University of Utah  
2015-2017 Graduate Student Travel Award, University of Utah  
2014 Press release of research, *Stop shouting at me: Why clear speech can sound angry*, American Institute of Physics: 167th Meeting of the Acoustical Society of America

**ACADEMIC**

2017 New Century Scholars Doctoral Scholarship, American Speech-Language-Hearing Association

2017	Gordon and Betty Browning Memorial Scholarship, Department of Communication Sciences and Disorders, University of Utah
2017	CaptionCall Graduate Student Scholarship, CaptionCall
2016	Starkey 2016 William F. Austin Scholarship, Starkey Hearing Technologies
2016	Scott Lamborn Memorial Scholarship, Department of Communication Sciences and Disorders, University of Utah
2015	Francis Dolowitz Memorial Scholarship, Department of Communication Sciences and Disorders, University of Utah
2014	Most Supportive Graduate Student, Awarded by NSSLHA, University of Utah
2008-2013	Full Tuition Scholarship: Academic Achievement, College of Education, Brigham Young University

## SCHOLARSHIP

### RESEARCH GRANTS

Principal Investigator, National Science Foundation Innovation Corps Grant: *Otitis media light therapy*, Application submitted 10 October 2016 (Award total: \$3,000)

### RESEARCH PUBLICATIONS

**Morgan, S.D.** (2018). Informational masking and emotion in the speech signal. *Dissertation. The University of Utah.*

Getty, D., **Morgan, S.D.**, Strayer, D. (2018). The effects of voice system design components on driver workload. *Journal of the Transportation Research Board.*

Ferguson, S.H., & **Morgan, S.D.** (2018). Acoustic and perceptual correlates of subjectively rated sentence clarity in clear and conversational speech. *Journal of the Acoustical Society of America.*

**Morgan, S.D.**, & Ferguson, S.H. (2017). Perceived emotion in clear and conversational speech by young adults with normal hearing and older adults with hearing loss. *Journal of Speech, Language, and Hearing Research.*

**Morgan, S.D.**, & Ferguson, S.H. (2015). Perceived emotional valence in clear and conversational speech. *Proceedings of Meetings on Acoustics*, 21, 060008.

### MANUSCRIPTS IN PREPARATION OR REVISION

**Morgan, S.D.** Informational masking of calm target speech with emotional speech maskers. In preparation for *The Journal of the Acoustical Society of America.*

**Morgan, S.D.** & Labowe, R. Gender differences in the perception of talker activation and pleasantness. In preparation for *Emotion Review*

Hunter, E.J., Ferguson, S.H., **Morgan, S.D.**, & Rogers, L. Within-session stability of acoustic features during repeated tasks. In preparation for *The Journal of the Acoustical Society of America.*

Hunter, E.J., Ferguson, S.H., & **Morgan, S.D.** Acoustic features and gender differences of speech produced in simulated environments. In preparation for *The Journal of the Acoustical Society of America.*

Booz, J.A., Ferguson, S.H., & **Morgan, S.D.** Perceived gender in clear and conversational speech. In preparation for *Language and Speech.*

- Morgan, S.D.**, Jennings, S.G., Ferguson, S.H., & Crain, A. Perceived anger in clear and conversational speech: Effect of aging and hearing loss. In preparation for *Journal of Speech, Language, and Hearing Research*.
- Johnson, E., Ferguson, S.H., & **Morgan, S.D.** Gender and rate effects on intelligibility. In preparation for *Journal of the American Academy of Audiology*.
- Schilaty, S., Ferguson, S.H., & **Morgan, S.D.** Intelligibility of British-accented English for older adults with and without hearing loss. In preparation for *Journal of the American Academy of Audiology*.

### COMPETITIVELY REVIEWED PRESENTATIONS

- Morgan, S.D.**, (2018, May). *Informational masking of calm speech targets by emotional speech maskers*. 175<sup>th</sup> Meeting of the Acoustical Society of America, Minneapolis, MN.
- Morgan, S.D.**, & Labowe, R. (2017, December). *Discrete ratings and dimensional judgments of emotional speech: A preliminary look at gender differences*. 174<sup>th</sup> Meeting of the Acoustical Society of America, New Orleans, LA.
- Morgan, S.D.**, & Crain, A. (2017, December). *Perceived anger in clear and conversational speech: Effect of aging and hearing loss*. 174<sup>th</sup> Meeting of the Acoustical Society of America, New Orleans, LA.
- Morgan, S.D.**, Ferguson, S.H., & Hunter, E.J. (2017, June). *Acoustic features and gender differences in clear and conversational speech produced in simulated environments*. 173<sup>rd</sup> Meeting of the Acoustical Society of America, Boston, MA.
- Morgan, S.D.**, Jennings, S.G., & Ferguson, S.H. (2016, May). *Perceived anger in clear speech: Effect of simulated hearing loss*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Morgan, S.D.**, & Ferguson, S.H. (2015, November). *Perceived emotion in clear speech: Older adults with hearing loss*. American Speech-Language-Hearing Association Convention, Denver, CO.
- Ferguson, S.H., & **Morgan, S.D.** (2015, November). *Acoustic and perceptual correlates of subjectively rated sentence clarity in clear and conversational speech*. 170<sup>th</sup> Meeting of the Acoustical Society of America, Jacksonville, FL.
- Morgan, S.D.**, & Ferguson, S.H. (2015, May). *Perceived emotional valence in clear and conversational speech for older adults with hearing loss*. 169<sup>th</sup> Meeting of the Acoustical Society of America, Pittsburgh, PA.
- Ferguson, S.H., **Morgan, S.D.**, Rogers, L.R., & Hunter, E.J. (2014, May). *Within-session stability of acoustic features of conversational and clear speech*. 167<sup>th</sup> Meeting of the Acoustical Society of America, Providence, RI.
- Morgan, S.D.**, & Ferguson, S.H. (2014, May). *Perceived emotional valence in clear and conversational speech*. 167<sup>th</sup> Meeting of the Acoustical Society of America, Providence, RI.

### OTHER RESEARCH PRESENTATIONS

- Morgan, S.D.**, Pickett, T., & Rhodes, N. (2017, April). *LightLine™ OM: A novel light treatment for otitis media*. iCorps Site Research Presentations, Salt Lake City, Utah
- Morgan, S.D.**, Jennings, S.G., & Ferguson, S.H. (2017, April). *Perceived anger in clear speech: Effect of simulated hearing loss*. 2017 Regional Audiology Spring Symposium, Pocatello, ID.

- Morgan, S.D.**, Jennings, S.G., & Ferguson, S.H. (2016, September). *Perceived anger in clear speech: Effect of simulated hearing loss*. 2016 ARA Institute, Vancouver, British Columbia.
- Ferguson, S.H., & **Morgan, S.D.** (2016, September). *Talker gender effects in the Ferguson Clear Speech Database*. 2016 World Congress of Audiology, Vancouver, British Columbia.
- Ferguson, S.H., & **Morgan, S.D.** (2016, May). *Talker gender effects in the Ferguson Clear Speech Database*. 171<sup>st</sup> Meeting of the Acoustical Society of America, Salt Lake City, UT.
- Morgan, S.D.**, Jennings, S.G., & Ferguson, S.H. (2016, April). *Perceived anger in clear speech: Effect of simulated hearing loss*. 2016 Audiology Spring Symposium, University of Utah.
- Morgan, S.D.**, & Ferguson, S.H. (2015, April). *Perceived emotion in clear speech for individuals with hearing loss*. University of Utah Center Student Conference in Linguistics.
- Morgan, S.D.**, & Ferguson, S.H. (2015, April). *Perceived emotional valence in clear and conversational speech for older adults with hearing loss*. University of Utah Center on Aging 9<sup>th</sup> Annual Research Retreat.
- Morgan, S.D.**, & Ferguson, S.H. (2015, April). *Perceived emotional valence in clear and conversational speech for older adults with hearing loss*. 2015 Audiology Spring Symposium, University of Utah.
- Morgan, S.D.** (2014, October). Presentation at a research mixer, Consortium for Families and Health Research, University of Utah.
- Ferguson, S.H., **Morgan, S.D.**, Rogers, L.R., & Hunter, E.J. (2014, September). *Gender differences in speech: Within-session stability of acoustic features of conversational and clear speech for male and female talkers*. InfoFair 2014: Women's Health, Sex & Gender Research Conference, University of Utah Health Sciences Center. <https://www.youtube.com/watch?v=h-w8xwYZmy4>.
- Morgan, S.D.**, & Ferguson, S.H., (2014, April). *Perceived emotional valence in clear and conversational speech*. 2014 Audiology Spring Symposium, University of Utah.
- Ferguson, S.H., Hunter, E.J., Mellum, C.A., Rogers, L.R., & **Morgan, S.D.** (2014, April). *Listener judgments of age in a single-talker 48-year longitudinal sample*. University of Utah Center on Aging 8<sup>th</sup> Annual Research Retreat.

## TEACHING

### EXPERIENCE

#### *University of Louisville*

- 2018-present AUDI 606 - Acoustics  
 2018-present AUDI 629 - Implantable Devices  
 2019-present AUDI 654 - Advanced Auditory Processing

#### *University of Utah*

- 2018 CSD 4500 - Introduction to Audiology, Teaching Assistant  
 2017 CSD 4500 - Introduction to Audiology, Instructor  
 2017 CSD 7860 - Vestibular Assessment and Rehabilitation, Co-instructor

2015 CSD 7930 - Advanced Research Design, Teaching Assistant  
 2014-2018 CSD 4300 - Speech Science, Tutor  
 2014-2017 CSD 4200 - Hearing Science, Tutor

#### MENTORING

2016-2018 Rebecca Labowe, Au.D. Capstone Project, Gender differences in ratings of vocal emotion: Categorical and dimensional comparisons  
 2016-2018 Ashton Crain, Au.D. Capstone Project, Perceived anger in clear and conversational speech: effect of aging  
 2015-2016 Jaime Booz, Master's thesis, Perceived gender in clear and conversational speech  
 2015-2016 Eric Johnson, Au.D. Capstone Project, Gender and rate effects in clear speech  
 2015-2016 Caroline Champougny, visiting scholar, Intelligibility of British English sentences

#### INVITED PRESENTATIONS

2018 Discussion of recently published work, *Early Career Professionals Online Journal Club*, ASHA ECP Community.  
 2014-2017 Communication sciences and disorders. *Introduction to Health Professions (H EDU 2010)*, University of Utah.

#### WORKSHOPS

2016 Protégé participant, ASHA Research Symposium: *Advances in Auditory Attention Research: Processing Complex Auditory Stimuli*.  
 2015 Presenter, University of Utah CrossTalk Toolbox Session: "*Presenting speech in noise*."

#### SERVICE

##### DEPARTMENT

2015-2018 Graduate student representative, Au.D. Interview Day, University of Utah  
 2014 Graduate student representative: Audiology, NSSLHA, University of Utah  
 2013-2016 Treasurer, Student Academy of Audiology, University of Utah

##### COLLEGE

2015-2018 Member, Academic appeals committee, College of Health, University of Utah

#### COMMUNITY

2016-2018 HOA Board member, Ivy Terrace Condominiums, Salt Lake City, Utah  
 2016 Volunteer, Utah Special Olympics, University of Utah  
 2015-2018 Volunteer, Hearing conservation awareness efforts: SAA, University of Utah  
 2015-2018 Volunteer, Humanitarian aid efforts: Hope Clinic, Midvale, Utah  
 2015-2018 Volunteer, Runtastic race events, SAA, Utah  
 2014-2015 Educator, Education in acoustics, 167<sup>th</sup> Meeting of the ASA  
 2014 Volunteer student clinician, Hope Clinic, Midvale, Utah

#### NATIONAL

- 2017-2018 Student Council Member, ASA Student Council, Speech Communication Technical Committee representative
- 2017-present Peer reviewer, *Speech Communication*
- 2017-present Peer reviewer, *Journal of Speech Language and Hearing Research*
- 2016-present Peer reviewer, *Journal of the Acoustical Society of America*
- 2016 Student Volunteer, Local organizing committee, 171<sup>st</sup> annual meeting of the Acoustical Society of America

## CLINICAL EXPERIENCE

- 2017-2018 Fourth year externship, Intermountain Hearing and Balance Center, Vestibular assessment and rehabilitation
- 2017-2018 Fourth year externship, University of Utah Hospital and Intermountain Medical Center, Intra-operative monitoring
- 2016-2017 Externship, Salt Lake City Veteran Affairs Medical Center: Audiology, Diagnostics, counseling, and amplification
- 2016 Externship, Intermountain Hearing and Balance Center, Vestibular assessment and rehabilitation
- 2016 Externship, Canyons School District, Pediatrics
- 2015 Externship, Utah Audiology & Hearing, Private practice
- 2015 Student Clinician/Investigator, Starkey University
- 2014-2015 Internship, University of Utah Speech-Language-Hearing Clinic

## SOFTWARE

### MATLAB CODE

- 2018 UTest – An experimental program that is easily programmable for multiple response formats for auditory experiments
- 2017 Automated scoring protocol for typed responses to target words
- 2016 Automated two-alternative forced-choice auditory puretone threshold program
- 2016 Automated protocol for preparing auditory stimuli for presentation  
Includes resampling, scaling, boundary marking, and removing unwanted silence from beginning and end of recorded stimuli. Displays signal in both wave and spectrogram format and allows zoom for accuracy.
- 2015 Hearing loss simulation
- 2015 IdentSlide – An experimental program used to obtain slider bar information from participants rating auditory stimuli along a scale
- 2015 IdentType – An experimental program used to gather typed responses from participants as they listen to auditory stimuli

## PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

- 2016-present ASA Technical Committee: Psychological and Physiological Sciences
- 2016 International Society of Audiology
- 2016 The American Auditory Society
- 2015-present ASHA Special Interest Group 19, Speech Science
- 2014-present The Acoustical Society of America

2014-present ASA Technical Committee: Speech Communication  
2014-present Consortium for Families and Health Research, University of Utah  
2014-present Center on Aging, University of Utah  
2013-present Student Academy of Audiology  
2013-present National Student Speech Language Hearing Association  
2013-present Current CPR certification