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RESEARCH INTERESTS	Binaural/spatial hearing, virtual reality, neuroscience, EEG, listening effort/fatigue	
EDUCATION	<b>Vanderbilt University</b> , Nashville, Tennessee USA Ph.D., Hearing Science, 2018 Dissertation Title: “Context-Dependent Trading of Binaural Spatial Cues in Virtual Reality” Committee: Chris Stecker (chair), Erin Picou, Ben Hornsby, Erick Gallun  <b>Vanderbilt University School of Medicine</b> , Nashville, Tennessee USA Au.D., Doctor of Audiology, 2012  <b>Northern Illinois University</b> , Dekalb, Illinois USA B.A., German Language and Literature, 2008  <b>Leuphana Universität Lüneburg</b> , Lüneburg, Germany Study Abroad Toward B.A., 2007	
CERTIFICATION AND LICENSURE	Alabama State License in Audiology, 2019–present Certificate of Clinical Competence in Audiology (CCC-A), 2012–present	
POSITIONS	<b>Montclair State University</b> , Department of Communication Sciences and Disorders Montclair, New Jersey USA <i>Adjunct Professor</i>	<b>2021–present</b>
	<b>Rockredd Solutions, LLC</b> Birmingham, Alabama USA <i>Owner and President</i>	<b>2021–present</b>
	<b>Samford University</b> , Department of Communication Sciences and Disorders Birmingham, Alabama USA <i>Assistant Professor</i>	<b>2018–2020</b>
	<b>Vanderbilt University</b> , Department of Hearing and Speech Sciences Nashville, Tennessee USA <i>Graduate Research Assistant (PhD Student)</i>	<b>2014–2018</b>
	<b>Vanderbilt University Medical Center</b> Nashville, Tennessee USA <i>Research Audiologist II</i>	<b>2013–2014</b>
	<b>Hearing Aid Solutions, Inc.</b> Mount Juliet, Tennessee USA <i>Lead Audiologist</i>	<b>2012–2013</b>
	<b>Vanderbilt University Medical Center</b> Nashville, Tennessee USA <i>Audiology Intern</i>	<b>2011–2012</b>
TEACHING	<b>Montclair State University</b> <i>Created Courses:</i> Diagnostic Procedures in Audiology II: Electrophysiology (Au.D.): Spring 2021	

## Samford University

### *Created Courses:*

Audiologic Assessment Laboratory (Au.D.): Spring 2019  
Immittance and Otoacoustic Emissions Measures (Au.D.): Spring 2019, Spring 2020  
Electrophysiology (Au.D.): Summer 2019, Summer 2020  
Otological Medical Conditions (Au.D.): Summer 2019  
Instrumentation and Calibration (Au.D.): Fall 2019  
Psychoacoustics (Au.D.): Fall 2019  
Vestibular Assessment I (Au.D.): Fall 2019  
Vestibular Assessment Lab (Au.D.): Fall 2019  
Diversity in the Workplace (Au.D.): Spring 2020  
Vestibular Assessment II (Au.D.): Spring 2020  
Vestibular Assessment Lab II (Au.D.): Spring 2020  
Vestibular Management (Au.D.): Summer 2020

### *Supplemental Course Website:*

[AudiologySource.com](http://AudiologySource.com)

### *Guest Lectures:*

Anatomy & Physiology of the Hearing Mechanism (Au.D.): Fall 2019  
Neuroscience (SLP): Fall 2019

### *Clinical Preceptor:*

Samford University Audiology Clinic: Fall 2019, Spring 2020

## Vanderbilt University

### *Co-Created Courses:*

Pathologies of the Auditory System (Au.D.): Spring 2018

### *Co-Instructed Courses:*

Acoustics, Instrumentation and Calibration (Au.D.): Fall 2016

### *Guest Lectures:*

Practical Electrophysiology (Ph.D.): Summer 2017  
Auditory Pathologies: Introduction to Audiology (SLP): Fall 2016, Fall 2017

## PEER-REVIEWED PUBLICATIONS

1. **Moore, T. M.**, Picou, E. M., Hornsby, B. W., Gallun, F. J., & Stecker, G. C. (2020). Binaural spatial adaptation as a mechanism for asymmetric trading of interaural time and level differences. *Journal of the Acoustical Society of America*, *148*(1).
2. **Moore, T. M.**, Picou, E. M. (2018). A potential bias in subjective ratings of mental effort. *Journal of Speech, Language, and Hearing Research*, *61*(9), 2405–2421.
3. Stecker, G. C., **Moore, T. M.** (2018). Reverberation enhances onset dominance in sound localization. *Journal of the Acoustical Society of America*, *143*(2), 786–793.
4. **Moore, T. M.**, Key, A. P. F., Thelen, A., Hornsby, B. W. Y. (2017). Neural mechanisms of mental fatigue elicited by sustained auditory processing. *Neuropsychologia*, *106*, 371–382.
5. Picou, E. M., **Moore, T. M.**, Ricketts, T. A. (2017). The effects of directional processing on objective and subjective listening effort. *Journal of Speech, Language and Hearing Research*, *60*, 199–211.
6. **Moore, T. M.**, Hood, L. J., & Hornsby, B. W. (2014). Estimates of cochlear compression using distortion product otoacoustic emissions and growth of forward masking. *Ear and Hearing*, *35*(6), 711–714.

REFEREED  
PUBLICATIONS

1. Stecker, G. C., **Moore, T. M.**, Folkerts, M., Zotkin, D., Duraiswami, R. (2018). *Toward objective measures of auditory co-immersion in virtual and augmented reality*. Paper presented at the Audio Engineering Society Conference: 2018 AES International Conference on Audio for Virtual and Augmented Reality.

SCIENTIFIC  
SOFTWARE

1. **Moore, T. M.** (2015). *erp.easy: Event- Related Potential (ERP) Data Exploration Made Easy*. R package version 1.1.0. <https://CRAN.R-project.org/package=erp.easy>.

GRANTS AND  
SPONSORED  
PROJECTS

Moore, T. M. (PI) CTSA Award No. UL1TR000445 from NCATS - The influence of adaptive effects on trades of interaural time and intensity during egocentric localization. \$1823

Moore, T. M. (PI) CTSA Award No. UL1TR000445 from NCATS - Assessment of mental fatigue with ERPs. \$853

Hood, L. J. (PI). NIH NIDCD T35 DC 008763 - Developing research careers in the hearing sciences. \$2,500

HONORS AND  
AWARDS

Virtual reality proposal chosen for computer science students' senior project, 2019

Freeman McConnell Academic Scholarship, Vanderbilt University, 2014–2018

Fourth-Year Intern Honors Placement, Vanderbilt School of Medicine, 2012

Capstone Research Award, Vanderbilt School of Medicine, 2012

Title: Comparison of Compression Estimates between DPOAE Input/Output Functions with Continuously Sweeping Primaries and Growth of Forward Masking

Mentor: Ben Hornsby

Graduate Training Tuition Scholarship, Vanderbilt School of Medicine, 2008–2012

Graduated Summa Cum Laude, Northern Illinois University, 2008

INVITED TALKS

Moore, T. M. (2020, September). Binaural Spatial Adaptation as a Mechanism for Asymmetric Trading of Interaural time and level differences. Presentation given as part of the P&P Virtual Journal Club for the Acoustical Society of America.

CONFERENCE  
PRESENTATIONS

Moore, T. M. and Stecker, G. C. (2019, May). Context-Dependent Trading of Binaural Spatial Cues in Virtual Reality. Poster presented at the 177th Meeting of the Acoustical Society of America, Louisville, KY.

Moore, T. and Picou, E. (2018, April). Impact of an Online Learning Module on Student Confidence. Poster presented at the American Academy of Audiology annual convention, Nashville, TN.

Hornsby, B. and Moore, T. (2015, March). Hearing Loss, Mental Effort and Fatigue. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ.

Moore, T., Hornsby, B. and Hood, L. (2013, March). Psychophysical and Otoacoustic Emission Estimates of Cochlear Compression. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ.

Moore, T., Hornsby, B. (2011, March). Predicting Hearing Aid Benefit from Speech Recognition Measures. Poster presented at the American Auditory Society Annual Meeting, Scottsdale, AZ.

Moore, T., Hornsby, B. (2011, March). Predicting Hearing Aid Benefit from Speech Recognition Measures. Poster presented at the Vanderbilt University Medical Center Open House Research Gala, Nashville, TN.

Moore, T. (2010). Aural Atresia. Grand rounds presentation to Division of Audiology, Vanderbilt University, Nashville, TN.

Moore, T. (2009). Glomus Tumors. Grand rounds presentation to Division of Audiology, Vanderbilt University, Nashville, TN.

#### SERVICE

**Samford University**, Department of Communication Sciences and Disorders

Faculty Search Committee (2019–2020)

Interprofessional Education Committee (2019–2020)

Website Committee (2019–2020)

Established balance function assessment clinic (2019–2020)

Coded a tablet-based electronic check-in system for audiology clinic (2019)

**Samford University**, Faculty Senate

Committee on Diversity (2019–2020)

**Samford University**

Hull Fund Selection Committee (2019–2020)

**Vanderbilt University**, Department of Hearing and Speech Sciences

Audiology lecture for 9th-grade STEM students (2018)

Poster Session Judge (2016)

Station Leader for Vanderbilt Hands-On Hearing Aid Workshop, (2011)

**Editorial Board Member**

American Journal of Audiology (2020-present)

**Ad Hoc Reviewer**

American Journal of Audiology

Ear & Hearing

Experimental Brain Research

International Journal of Audiology

Journal of the Acoustical Society of America

Journal of the American Academy of Audiology

Trends in Hearing

#### PROFESSIONAL EXPERIENCE

**Professional Development**

Leader, Spatial Hearing Journal Club

Vanderbilt University, 2020

Coded and launched an educational website for students using the Python Flask framework  
Samford University, 2019–2020

Mini Conference on Teaching

Samford University, 2019

Practitioner Level Trainee, Center for the Integration of Research, Teaching and Learning  
Vanderbilt University, 2016

Blended and Online Learning Design (BOLD) Fellow, Center for Teaching  
Vanderbilt University, 2016

Associate Level Trainee, Center for the Integration of Research, Teaching and Learning  
Vanderbilt University, 2015

Intermediate Trainee, Interdisciplinary Instruction in Neurodevelopmental Disabilities  
Vanderbilt University, 2008–2009

### **Laboratory Experience**

Stecker, G. C. (PI). Temporal Weighting of Auditory Spatial Cues  
Vanderbilt University, 2016–2018

Hornsby, B. W. Y. (PI). Quantifying the "Fatigue Factor"  
Vanderbilt University, 2014 - 2016

Ricketts, T. A. (PI). Development of the Spatial Test Requiring Effortful Speech Recognition,  
Vanderbilt University, 2008–2010

Ricketts, T. A. (PI). Hearing Aid Directional Microphone Switching Accuracy in the Classroom  
Vanderbilt University, 2008–2010

### **Clinical Training**

Bill Wilkerson Center, Vanderbilt Medical Center, 2008–2012

National Center for Childhood Deafness and Vanderbilt Children's Hospital, 2008–2012

Odess Otolaryngology Head & Neck Surgery Clinic, Vanderbilt Medical Center, 2008–2012

St. Thomas Hospital, Nashville, 2008–2011

Veteran's Health Administration, Tennessee Valley Healthcare System, 2008–2011

### **PROFESSIONAL SKILLS**

Programming and Markup Languages: C#, CSS, HTML, Javascript, L<sup>A</sup>T<sub>E</sub>X, MATLAB, Python, R,  
Visual Basic

Web Frameworks: Bootstrap, Django

Applications: Cartool, E-Prime, EEGLAB, Net Station, PsychToolbox, PsychoPy, REDCap, Unity

Operating Systems: macOS, Linux (Ubuntu), Windows

Languages: German (S-5), French (S-3), Spanish (S-3), Chinese (Mandarin; S-1), Japanese (S-1)