

Anya E. Shorey-Smith

Assistant Professor of Instruction

Department of Psychological and Brain Sciences, University of Iowa

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Education

University of Louisville, Louisville, KY	2025
PhD, Psychological Science	
Dissertation: <i>Evaluating the relationship between musical sophistication and melodic and harmonic expectations</i>	
University of Louisville, Louisville, KY	2022
Master of Science, Experimental Psychology	
University of Northern Iowa, Cedar Falls, IA	2020
Bachelor of Arts, Psychology	
Bachelor of Arts, Music-General Studies	
Presidential Scholar, University Honors Program	
Graduated Summa Cum Laude	
Thesis: <i>Testing the effects of mindfulness meditation in reducing music performance anxiety as measured by cortisol and self-report</i>	

Teaching Experience

Instructor of Record

Research Methods and Data Analysis I, <i>University of Iowa</i>	Fall 2025
Music Perception & Cognition	
<i>University of Iowa</i>	Fall 2025
<i>University of Louisville</i>	Spring 2024

Guest Lectures & Training Sessions

<i>Music Cognition</i> , Workshop at Louisville Academy of Music	Summer 2025
<i>Translating Learning Theory into Teaching Strategies</i> , Graduate Teaching Assistant Academy	Fall 2024
<i>How to Read Research Articles</i> , Research Methods Lecture	Fall 2024
<i>Effective Teaching in the Lab</i> , New Graduate Teaching Assistant Orientation	Summer 2024
<i>Correlation</i> , Psychological Statistics Lecture	Fall 2023
<i>Music Anticipation & Expectation</i> , Music Perception & Cognition	Spring 2023
<i>"Talker adaptation:" background, explanations, and a new musical paradigm</i> , Psycholinguistics	Fall 2022

Teaching Assistantships

Research Methods – Lab instructor	Fall 2024
Psychological Statistics – Lab instructor	Fall 2023

Introduction to Psychology
Sensation and Perception

Spring 2021
Fall 2020

Mentorship Experience

Instructor , Auditory Perception Lab, University of Louisville	Fall 2024-Spring 2025
Academic Coach , REACH Learning Center, University of Louisville	Spring 2024-Fall 2024
Transition Ambassador , Experimental Psychology, University of Louisville	Summer 2024
Junior Advisor , Culminating Undergraduate Experience projects	2021-2024
Graduate Student Peer Mentor , University of Louisville	2021-2022

Additional Training

Inclusive STEM Teaching Project, NSF-funded online course	Fall 2024
Safe Zone Training, University of Louisville LGBT Center	Fall 2024
Graduate Teaching Assistant Academy, Graduate College, University of Louisville	Fall 2023
Practicum in Undergraduate Teaching (PSYC690), University of Louisville	Spring 2022
Mentorship Academy, Graduate College, University of Louisville	Spring 2022
Becoming a Resilient Scientist Series, National Institutes of Health	Spring 2021

Research Experience

Auditory Perception & Processing Lab, University of Louisville Advisor: Christian Stilp, PhD Co-advisor: Marci DeCaro, PhD	2020-2025
Psychoneuroendocrinology Lab, University of Northern Iowa Supervisors: M. Catherine DeSoto, PhD; Robert Hitlan, PhD	2019-2020

Research Publications († = undergraduate collaborator)

Adames, I.[†], Stilp, C.E., & **Shorey, A.E.** (2025). Multiple timescales of context influence perceptual sensitivity to common pairings of musical pitch and timbre. *PLOS ONE*.

King, C.J., Sharpe, C.M.[†], **Shorey, A.E.**, & Stilp, C.E. (2024). The effects of variability on context effects and psychometric function slopes in speaking rate normalization. *Journal of the Acoustical Society of America*. <https://doi.org/10.1121/10.0025292>

Shorey, A.E./King, C.J., Whiteford, K.L., & Stilp, C.E. (2024). Musical training is not associated with spectral context effects in instrument sound categorization. *Attention, Perception, and Psychophysics*. <https://doi.org/10.3758/s13414-023-02839-6>

Shorey, A.E., King, C.J., Theodore, R.M., & Stilp, C.E. (2023). Talker adaptation or “talker” adaptation? Musical instrument variability impedes pitch perception. *Attention, Perception, and Psychophysics*. <https://doi.org/10.3758/s13414-023-02722-4>

Kahloon, L.[†], **Shorey, A.E.**, King, C.J., & Stilp, C.E. (2023) Clear speech promotes speaking rate normalization. *Journal of the Acoustical Society of America – Express Letters*. <https://doi.org/10.1121/10.0019499>

- Shorey, A.E.** & Stilp, C.E. (2023). Short-term, not long-term, average spectra of preceding sentences bias consonant categorization. *Journal of the Acoustical Society of America*. <https://doi.org/10.1121/10.0017862>
- Hatter, E.R.[†], King, C.J., **Shorey, A.E.**, Stilp, C.E. (2022). Clearly, fame isn't everything: Talker familiarity does not augment talker adaptation. *Attention, Perception, & Psychophysics*. <https://doi.org/10.3758/s13414-022-02615-y>
- Stilp, C.E., **Shorey, A.E.**, & King, C.J. (2022). Nonspeech sounds are not all equally good at being nonspeech. *Journal of the Acoustical Society of America*, 152(3), 1842-1849. <https://doi.org/10.1121/10.0014174>
- Mills, H.E.[†], **Shorey, A.E.**, Theodore, R.M., & Stilp, C.E. (2022). Context effects in perception of vowels differentiated by F1 are not influenced by variability in talkers' mean F1 or F3. *Journal of the Acoustical Society of America*, 152(1), 55-66. <https://doi.org/10.1121/10.0011920>

Research Presentations (* = presenting author, [†] = undergraduate collaborator)

- Shorey, A.E.**, Criner, K.[†], Lim, S.-J., Dobbs, J., Fuerstenberg, K., & Stilp, C.E. (May 2025). Acoustic variability shapes adaptation to single versus multiple sound sources. Poster presented at the 188th Meeting of the Acoustical Society of America, New Orleans, Louisiana.
- Shorey, A.E.*** & Stilp, C.E. (Nov 2024). Evaluating the relationship between musical sophistication and melodic and harmonic expectations. Talk presented at the 187th Meeting of the Acoustical Society of America, virtual.
- Stilp, C.E., Adames, I.[†], & **Shorey, A.E.** (May 2024). Multiple timescales of context shape the perceptual sensitivity to natural pairings of musical pitch and timbre. *Poster presented at the 186th Meeting of the Acoustical Society of America, Ottawa, Ontario, Canada.*
- Criner, K.[†], **Shorey, A.E.**, & Stilp, C.E. (April 2024). Music perception and speech perception have different sensitivities to acoustic variability. *Poster presented at the Spring 2024 University of Louisville Undergraduate Arts and Research Showcase.*
- King, C.J., **Shorey, A.E.**, & Stilp, C.E. (May 2023). Titrating effects of acoustic variability of context effects and psychometric function slopes in speech categorization. *Poster presented at the 184th Meeting of the Acoustical Society of America, Chicago, IL.*
- Shorey, A.E.***, King, C.J., & Stilp, C.E. (May 2023). How do perceptual benefits from musical experience compare with those from speech experience? *Poster presented at the 184th Meeting of the Acoustical Society of America, Chicago, IL.*
- Adames, I.[†], **Shorey, A.E.**, & Stilp, C.E. (April 2023). Sensitivity to natural pairing of pitch and timbre. *Poster presented at the Spring 2023 University of Louisville Undergraduate Arts and Research Showcase.*
- Shorey, A.E.*** (March 2023). Musical instrument categorization in major and minor keys. *Talk presented at the Graduate Student Regional Research Conference, University of Louisville, Louisville, KY.*
- Kahloon, L.[†], **Shorey, A.E.***, King, C.J., & Stilp, C.E. (December 2022). Clear speech promotes speaking rate normalization. *Poster presented at the 183rd Meeting of the Acoustical Society of America, Nashville, TN.*

- King, C.J., **Shorey, A.E.**, Whiteford, K.L., & Stilp, C.E. (December 2022). Testing the role of primary musical instrument on context effects in music perception. *Talk presented at the 183rd Meeting of the Acoustical Society of America, Nashville, TN.*
- Stephens, D.[†], King, C.J., **Shorey, A.E.**, & Stilp, C.E. (December 2022). Speaking rate normalization with and without segregation of simultaneous context sentences. *Poster presented at the 183rd Meeting of the Acoustical Society of America, Nashville, TN.*
- Shorey, A.E.***, King, C.J., Theodore, R.M., & Stilp, C.E. (May 2022). Talker adaptation or “talker” adaptation? Musical instrument variability impedes pitch perception. *Poster presented at the 182nd Meeting of the Acoustical Society of America, Denver, CO.*
- Sharpe, C.[†], King, C.J., **Shorey, A.E.**, & Stilp, C.E. (May 2022). Talker and sentence variability attenuates speaking rate normalization in speech perception. *Poster presented at the 182nd Meeting of the Acoustical Society of America, Denver, CO.*
- Hatter, E.[†], King, C.J., **Shorey, A.E.**, & Stilp, C.E. (May 2022). Clearly, fame isn’t everything: Talker familiarity does not mitigate the perceptual consequences of talker variability. *Poster presented at the 182nd Meeting of the Acoustical Society of America, Denver, CO.*
- Shorey, A.E.***, Whiteford, K.L., & Stilp, C.E. (March 2022). Musical training is not associated with categorization of musical instruments in context. *Talk presented at the 15th annual Graduate Student Regional Research Conference, University of Louisville, Louisville, KY.*
- Shorey, A.E.***, Whiteford, K.L., & Stilp, C.E. (June 2021). Testing the effects of musical training on music perception. *Talk presented online at the 180th Meeting of the Acoustical Society of America, Acoustics in Focus.*
- Shorey, A.E.*** (April 2020). Testing the effects of mindfulness in reducing music performance anxiety as measured by cortisol and self-report. *Talk presented online as part of the University Honors Research Day at the University of Northern Iowa, Cedar Falls, IA.*
- Shorey, A.E.***, Hitlan, R., DeSoto, M.C., & Lentfer, H. (February 2020). Baseline endocrinological activation predicts music listening behavior. *Poster presented at the 2020 Society for Personality and Social Psychology Convention, New Orleans, LA.*
- DeSoto, M.C., Hitlan, R., Lentfer, H., & **Shorey, A.E.** (February 2020). Ostracism, cortisol, and intergroup interactions. *Poster presented at the 2020 Society for Personality and Social Psychology Convention, New Orleans, LA.*
- DeSoto, M.C., Hitlan, R., **Shorey, A.E.**, & Lentfer, H. (February 2020). Testosterone is an individual difference variable that predicts reactions during group interactions. *Poster presented at the 2020 Society for Personality and Social Psychology Convention, New Orleans, LA.*
- Shorey, A.E.***, Hitlan, R., DeSoto, M.C., & Lentfer, H. (December 2019). Investigating musical genre in predicting baseline endocrinological levels. *Poster presented at the New York State School Music Association Winter 2019 Conference's Research Gallery Session, Rochester, NY.*
- Cheng, J. & **Shorey, A.E.*** (April 2019). Testing the role of numeracy in intertemporal choice. *Poster presented at the Iowa Psychological Association's Spring 2019 Conference, Des Moines, IA.*
- Shorey, A.E.*** & DeSoto, M.C. (April 2019). Testing the relationship between musical engagement and cortisol response. *Poster presented at the UNI College of Social and Behavioral Sciences' Spring Conference 2019, Cedar Falls, IA.*

Grants

University of Louisville Graduate Student Council Research Grant (\$500)	2022
Project: “Musical instrument adaptation and melodic expectancy”	
University of Louisville Graduate Student Council Travel Grant (\$350)	2022
To present at the 182 nd Meeting of the Acoustical Society of America, Denver, CO	
University of Louisville Graduate Student Council Research Grant (\$500)	2021
Project: “Testing the effects of musical training on music perception”	
University of Louisville Graduate Network in Arts and Sciences Research Fund (\$250)	2021
Project: “Testing the effects of musical training on music perception”	
The Donald and Gudrun Fruehling Undergraduate Research Fellowship (\$1500)	2020
Project: “Testing the effects of mindfulness meditation in reducing music performance anxiety as measured by cortisol and self-report”	
Mary Ann Bolton Undergraduate Research Award (\$1000)	2020
Project: “Testing the effects of mindfulness meditation in reducing music performance anxiety as measured by cortisol and self-report”	
University of Northern Iowa Honors Program Summer Research Stipend	2019
For conducting supervised cortisol and testosterone research in Psychoneuroendocrinology	

Professional Affiliations

Acoustical Society of America	2020- <i>present</i>
R Ladies-Louisville	2022-2024

Professional Service and Volunteer Work**Peer Reviewer**

Auditory Perception & Cognition	2025
Research & Professional Development Seminar Committee, Co-chair	2023-2025
Undergraduate Arts & Research Showcase, Judge	2022-2023, 2025
Louisville Regional Science & Engineering Fair, Judge-Middle School	2024
College Homework Help Volunteer, Americana Community Center	2021-2022

Honors and Awards

Graduate Dean’s Citation, Commencement Award, University of Louisville	2025
Award for Excellence in Teaching, Psychological & Brain Sciences, University of Louisville	2024
Award for Excellence in Research, Jr. Level, Psychological & Brain Sciences, University of Louisville	2022
Purple and Old Gold Award (Psychology), University of Northern Iowa	2020
Purple and Old Gold Award (Music), University of Northern Iowa	2020
Outstanding Honors Research, University of Northern Iowa Honors Advisory Board	2020