# Daniel Guest

301 University Ave SE • Apt 207 • Minneapolis, MN 55414 • +1 (512) 903-3385
guest121@umn.edu • https://guestdaniel.github.io

## Education

**University of Minnesota** — Minneapolis, MN
Ph.D. Psychology (student) — 2017 – present
**The University of Texas at Dallas** — Richardson, TX
B.S. Psychology — 2013 – 2017

## Awards, Scholarships, and Honors

**University of Minnesota, Center for Applied and Translational Sensory Science**
NSF-NRT Graduate Training Program in Sensory Science Fellowship — 2018 – present
**University of Minnesota, College of Liberal Arts**
College of Liberal Arts Graduate Fellowship — 2017 – present
**National Science Foundation**
GRFP Honorable Mention — 2018
**University of Minnesota, Department of Psychology**
Graduate Summer Research Fellowship — 2018
**The University of Texas at Dallas**
Summa Cum Laude — 2017
Academic Excellence National Merit Scholarship — 2013 – 2017
Dean's List — 2013 – 2017
Undergraduate Research Scholar Award — 2015, 2016
**The University of Texas at Dallas, School of Behavioral and Brain Sciences**
Behavioral and Brain Sciences Honors — 2017
Student Leadership Award — 2017
Dean's Award for Excellence — 2017
Santrock Travel Award — 2015
Buhrmester Summer Research Award — 2015

## Research Experience

**Auditory Perception and Cognition Lab** — Minneapolis, MN
Graduate Student, advised by Andrew Oxenham — 2017 – present
**Speech Perception Lab** — Richardson, TX
Undergraduate Research Assistant, advised by Peter Assmann — 2015 – 2017
Thesis topic: Perception of voice gender in children's speech

## Academic and Professional Memberships

**Acoustical Society of America**
Student Council Representative, Psychological and Physiological Acoustics — 2018 – present
Student Member — 2017 – present
**Association for Research in Otolaryngology**
Student Member — 2018 – present
**University of Minnesota, Center for Applied and Translational Sensory Science**
NSF-NRT Graduate Training Program in Sensory Science Cohort Member — 2017 – present

# Daniel Guest

## Publications

Guest, D. R., & Oxenham, A. J. (2019b). The role of pitch and harmonic cancellation when listening to speech in harmonic background sounds. *The Journal of the Acoustical Society of America*. Accepted

Kapolowicz, M. R., Guest, D. R., Montazeri, V., Baese-Berk, M. M., & Assmann, P. F. (n.d.). Perception of spectrally-shifted foreign-accented speech. In preparation

## Posters

Guest, D. R., & Oxenham, A. J. (2019a). Pitch perception of concurrent high-frequency complex tones. Poster presented at ARO 2019

Guest, D. R., & Oxenham, A. J. (2018b). The role of pitch and harmonic cancellation when listening to speech in background sounds. *The Journal of the Acoustical Society of America*, *144*. Poster presented at Acoustics '18 Victoria. doi:10.1121/1.5068208

Kapolowicz, M. R., Guest, D. R., Montazeri, V., Baese-Berk, M. M., & Assmann, P. F. (2018). Perception of spectrally-shifted non-native speech. *The Journal of the Acoustical Society of America*, *144*, 1866. Poster presented at Acoustics '18 Victoria. doi:10.1121/1.5068208

Guest, D. R., & Oxenham, A. J. (2018a). The role of pitch and harmonic cancellation in simultaneous speech segregation. Poster presented at 2018 UMN Center for Cognitive Science Spring Research Day

Kapolowicz, M. K., Guest, D. R., Montazeri, V., & Assmann, P. F. (2017). Effect of frequency shifts on talker recognition in native and foreign-accented speech. *The Journal of the Acoustical Society of America*. Poster presented at Acoustics '17 New Orleans. doi:10.1121/1.5014953

Guest, D. R., Montazeri, V., Kapolowicz, M. R., & Assmann, P. F. (2017). Perception of voice gender in children's voices by cochlear implant users. *Journal of the Acoustical Society of America*, *141*(5), 3839. Poster presented at Acoustics '17 Boston. doi:10.1121/1.4988543

Guest, D. R. (2017). Perception of voice gender in children's voices by cochlear implant users. Poster presented at 6th UT Dallas Annual Exhibition of Excellence in Undergraduate Research

Guest, D. R., Kapolowicz, M. R., Hossain, S., Montazeri, V., & Assmann, P. F. (2016). Perception of voice gender in cochlear implant simulations of children's speech. *Journal of the Acoustical Society of America*, *139*(4), 2124. Poster presented at Acoustics '16 Salt Lake City. doi:10.1121/1.4950328

Guest, D. R. (2016). Perception of voice gender in cochlear implant simulations of children's speech. Poster presented at the 5th UT Dallas Annual Exhibition of Excellence in Undergraduate Research

## Relevant Coursework

Current coursework is in *italics*
Graduate GPA: 4.00, graduate courses in black

**Engineering:** *Biomedical Digital Signal Processing*, Introduction to Electrical Engineering, Mechanics

**Neuroscience:** Behavioral Neuroscience, Cognitive Neuroscience

**Speech, language, and hearing:** Anatomy and Physiology of Speech and Hearing, Communication Sciences, Communication Disorders, Linguistics, Normal Language Development, Phonetics

**Statistics and mathematics:** Applied Regression Analysis, Calculus I, Calculus II, Differential Equations, Linear Algebra, Multivariable Calculus, Introduction to Neural Networks, Research Design and Analysis, Theoretical Concepts of Calculus, Theory of Statistics I, Theory of Statistics II

**Psychology:** Abnormal Psychology, Child Development, Computational Vision, Experimental Projects, *Functional Imaging: Training*, Historical Perspectives of Psychology, Human Experience of Sensory Loss, Proseminar in Perception, Psychology of Music, Social Psychology

# Daniel Guest

## Skills and Technical Experience

**Computer skills:** bash, git, LaTeX, Linux, Sweave/KnitR
**Languages:** English (native), Spanish, Portuguese
**Mathematics:** Differential equations, linear algebra, multivariable calculus, real analysis
**Programming languages:** MATLAB, Python, R
**Statistics:** Bayesian statistics, generalized linear regression models, multilevel/hierarchical models, neural networks and generative models, probability theory

## References

**Andrew Oxenham**
Professor, Department of Psychology & Department of Otolaryngology, University of Minnesota
oxenham@umn.edu • +1 (612) 624-2241

**Peter Assmann**
Professor, School of Behavioral and Brain Sciences, The University of Texas at Dallas
assmann@utdallas.edu • +1 (972) 833-2435

**Melanie Spence**
Associate Dean, School of Behavioral and Brain Sciences, The University of Texas at Dallas
mspence@utdallas.edu • +1 (972) 883-3656