

Jing Shen
CURRICULUM VITAE

Contact Information

Department of Communication Sciences and Disorders
Northwestern University
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Education

- 2013 Ph.D. in Experimental Psychology
 University of California, San Diego
 Thesis Title: Processing of Pitch Height Information in Mandarin Tone Perception
- 2004 M.S. in Psychology (Social and Personality)
 East China Normal University, Shanghai, China
 Thesis Title: Relationship between Personality Type and Music Preference in Chinese College Students
- 2001 B.A. in Political Science (minor in Psychology)
 East China Normal University, Shanghai, China

Academic and Research Experience

- 2015-2017 National Institutes of Health NRSA Postdoctoral Fellow
 Hearing Aid Laboratory, Northwestern University
- 2013-2015 Postdoctoral Researcher
 Hearing Aid Laboratory, Northwestern University
- 2006-2013 Research Assistant
 Department of Psychology, University of California San Diego
- 2005-2006 Research Assistant
 Department of Psychology, University of Washington

Awards and Grants

Ruth L. Kirschstein Postdoctoral National Research Service Award (National Institutes of Health, 2015-2017, \$111,196)

Lesson For Success Conference Attendee (American Speech-Language-Hearing Association, 2016)

Knowles Hearing Center Postdoctoral Travel Award (Northwestern University, 2017, \$1000)

Postdoctoral Professional Development Travel Award (Northwestern University, 2015, \$500)

Young Scientist Award (International Commission of Acoustics & Acoustical Society of America, 2010, €500)

Graduate Student Travel Grant (Institute for International, Comparative, and Area Studies, University of California, 2010, \$975)

Graduate Student Travel Grant (Anderson Travel and Research Fund, Department of Psychology, University of California, 2011, \$857)

Publications

Shen, J., & Souza, P. (2017). Do Older Listeners with Hearing Loss Benefit from Dynamic Pitch for Speech Recognition in Noise? *American Journal of Audiology*, *26*, 462-466.

Shen, J., & Souza, P. (2017). The Effect of Dynamic Pitch on Speech Recognition in Temporally Modulated Noise. *Journal of Speech Language and Hearing Research*, *60*(9), 2725-2739.

Souza, P., Schoof, T., **Shen, J.** (2017). Can Individual Cognitive Abilities Direct Audiology Treatment? *Audiology Today*, *29*(2), 25-34.

Shen, J., Anderson, M., Arehart, K., & Souza, P. (2016). Using Cognitive Screening Tests in Audiology. *American Journal of Audiology*, *25*(4), 319-331.

Ward, K., **Shen, J.**, Souza, P., & Grieco-Calub, T. (2016). Age-related Differences in Listening Effort During Degraded Speech Recognition. *Ear and Hearing*, *38*(1), 74-84.

Shen, J., Wright, R., & Souza, P. (2016). On Older Listeners' Ability to Perceive Dynamic Pitch. *Journal of Speech Language and Hearing Research*, *59*(3), 572-582.

Souza, P., Arehart, K. H., **Shen, J.**, Anderson, M., & Kates, J. M. (2015). Working Memory and Intelligibility of Hearing-aid Processed Speech. *Frontiers in Psychology*, *6*, 526.

Shen, J., Deutsch, D., & Le, J. (2015). The Effect of Overall Pitch Height on Mandarin Tone Identification. *Proceedings of Meetings on Acoustics*, *14*, 060013.

Deutsch, D., Li, X., & **Shen, J.** (2013). Absolute Pitch among Students at the Shanghai Conservatory of Music: A Large-scale Direct-test Study. *The Journal of the Acoustical Society of America*, *134*, 3853-3859.

Shen, J., Deutsch, D., & Rayner, K. (2013). On-line Perception of Mandarin Tones 2 and 3: Evidence from Eye Movements. *The Journal of the Acoustical Society of America*, *133*, 3016-3029.

Deutsch, D., Le, J., **Shen, J.,** & Henthorn, T. (2009). The Pitch Levels of Female Speech in Two Chinese Villages. *The Journal of the Acoustical Society of America Express Letters*, *125(5)*, EL208-EL213.

Shen, J., & Kong, K. (2004). The Progress and Prospect of the Research of Nature and Nurture Controversy in Personality Development, *Psychological Science (Chinese)*, *27*, 250-252.

Shen, J. (2003). A Review of Music Therapy and Its Related Psychological Research, *Psychological Science (Chinese)*, *26*, 176-177.

Conference Presentations

Shen, J., & Souza, P. (2017). Do Older Individuals Benefit from Dynamic Pitch for Speech Recognition in Speech Maskers? Talk presented at the Aging and Speech Communication Conference, Tampa, FL.

Shen, J., & Souza, P. (2017). Hearing Loss and Cognition: the Ear is Connected to the Brain. Invited talk presented at the American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting, Chicago, IL.

Shen, J., & Souza, P. (2017). The Relationship between Cognitive Functioning and Hearing Ability in Older Adults. Poster presented at the 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA.

Shen, J., & Souza, P. (2017). Does dynamic pitch aid older listeners' speech recognition in speech maskers? Poster presented at the Scientific and Technology Meeting of the American Auditory Society 2017, Scottsdale, AZ.

Shen, J., & Souza, P. (2016). Do Older Listeners with Hearing Loss Benefit from Dynamic Pitch for Speech Recognition in Noise? Poster presented at the Hearing Across the Lifespan, Cernobbio, Lake Como, Italy.

Ward, K., **Shen, J.,** Souza, P., & Grieco-Calub, T. M. (2016). Comparing Behavioral Measures of Listening Effort Across the Lifespan. Poster presented at the American Auditory Society Meeting 2016, Scottsdale, AZ.

Shen, J., & Souza, P. (2016). Effects of Dynamic Pitch on Older Listeners' Speech Recognition in Noise. Poster presented at the American Auditory Society Meeting 2016, Scottsdale, AZ.

Ward, K., **Shen, J.,** Souza, P., & Grieco-Calub, T. (2015). Verbal Response Time in Children Systematically Varies with the Spectral Resolution of Speech. Talk presented at the 169th meeting of Acoustical Society of America, Pittsburg, PA.

Shen, J., Souza, P., Anderson, M., Arehart, K., Kates, J., & Muralimanohar, R. (2015). Can Cognitive Screening Tests Explain Recognition of Distorted Speech? Poster presented at the American Auditory Society Meeting 2015, Scottsdale, AZ.

Souza, P., & **Shen, J.** (2014). The Ear is Connected to the Brain: Aging and Cognition in the Audiology Clinic. Talk presented at the North Carolina Speech, Hearing and Language Association Fall Conference 2014, Raleigh, NC.

Shen, J., Wright, R., & Souza, P. (2014). Effect of Formant Characteristics on Older Listeners' Dynamic Pitch Perception. Poster presented at the 168th meeting of Acoustical Society of America, Indianapolis, IN.

Souza, P., Arehart, K., **Shen, J.,** Kates, J., Muralimanohar, R., & Anderson, M. (2014). Individual Sensitivity to Distortion from Combined Signal Processing. Talk presented at the International Hearing Aid Research Conference, Lake Tahoe, CA.

Shen, J., Deutsch, D., & Le, J. (2011). Overall Pitch Height as a Cue for Lexical Tone Perception. Poster session presented at the 162nd meeting of Acoustical Society of America, San Diego, CA.

Deutsch, D., Le, J., **Shen, J.,** & Li, X. (2011). Large-scale Direct-test Study Reveals Unexpected Characteristics of Absolute Pitch. Paper presented at the 162nd meeting of Acoustical Society of America, San Diego, CA.

Shen, J., Deutsch, D., & Rayner, K. (2010). Processing of Endpoint Pitch in Mandarin Tone Perception: An Eye Movement Study. Paper presented at the 20th International Congress on Acoustics, Sydney, Australia.

Teaching and Mentoring

Sole Instructor

Sound and Music Perception

(Introductory to auditory perception, topics including auditory physiology, psychoacoustics, and perception of acoustical cues in music).

Undergraduate class (class size 70), University of California, Spring 2011

Introduction to Statistics

(Overview of inferential statistics, topics including experimental design, data collection, data analysis and statistical inference).

Undergraduate class (class size 250), University of California, Spring 2012

Co-Instructor

Evaluation and Use of Amplification Systems

(Covering the basic knowledge and skills required to select, fit, adjust and validate hearing aids).

Au.D. class (class size ~15), Northwestern University, Winter 2016

Research in Clinical Audiology

(Overview of clinical research process, including evidence-based practice).

Au.D. class (class size ~15), Northwestern University, Fall 2014, Fall 2016, Fall 2017

Guest Lecturer

Introduction of Audiology

Undergraduate class (class size 30), Northwestern University, Winter 2017

Aging and Speech Communication

Undergraduate class (class size 4), Northwestern University, Spring 2017

Au.D. Capstone project mentor

2014-2015 Student: Katherine Kamilos

Title: The Relationship between Spectral Resolution and Dynamic Pitch Perception

2015-2016 Student: Shannon Switzer

Title: The Effect of Dynamic Pitch on Speech Intelligibility

Student Mentor

Undergraduate student supervised research mentor (Student: Ayaka Yoshida, Title: Effects of Musical Experience and Training on Pitch Contour Perception. Northwestern University, Spring 2014)

Guest Speaker for Audiology Student Grand Round (Title: Statistical Analysis for Capstone Research Project. Northwestern University, 2013)

Invited Speaker in Undergraduate Research Career Planning Seminar (University of California, 2008, 2009)

Graduate Student Mentor for Undergraduate Attendees (American Psychological Association, Summer Science Institute, University of California, 2007)

Service Contributions

Professional Services

Ad Hoc reviewer for the National Science Foundation (March 2016)

Ad Hoc reviewer for the following journals:

Journal of the Acoustical Society of America (October 2014, November 2014, December 2014, July 2017)

Journal of the Acoustical Society of America Express Letter (July 2015, October 2016)

Ear and Hearing (September 2013, March 2016)

Journal of the American Academy of Audiology (March 2015, May 2017)

Frontiers in Psychology (November 2016)

American Journal of Audiology (March 2017)

University Services

Graduate Student Association Representative (University of California, 2008-2009)

Community Services

Invited speaker for Osher Lifelong Learning Institute (“Now Hear This, OLLI: Make Classroom Communication Easier”, March 2017)

Professional Memberships

American Auditory Society

Gerontology Society of America

Acoustical Society of America