

# SHAORONG YAN

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## EDUCATION

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| 2016-     | <b>University of Rochester</b> , Rochester, NY<br>Ph.D. Student, Department of Brain and Cognitive Sciences  |
| 2015-2016 | <b>University of Iowa</b> , Iowa City, IA<br>Ph.D. Candidate, Department of Psychological and Brain Sciences   |
| 2013-2015 | <b>University of Iowa</b> , Iowa City, IA<br>M.A. in Psychology, Department of Psychological and Brain Sciences                                      |
| 2008-2012 | <b>Peking University</b> , Beijing, P. R. China<br>B.Sc. in Psychology, Department of Psychology<br>B.A. in Economics, Guanghua School of Management |

## RESEARCH INTEREST

Generative models; Expectation making in sentence comprehension; Adaptation effect in different communicative contexts; Processing prosodic information.

## RESEARCH EXPERIENCE

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| 2016-  | Research Assistant, KurTan Lab, Univ. of Rochester<br>Advisor: Dr. Mike Tanenhaus & Dr. Chigusa Kurumada<br>Research Projects: Contextual diversity effect in production and comprehension. Attribution of prediction errors to talker-specific characteristics.<br>Techniques: Behavioral, Eye-tracking      |
| 2016-  | Research Assistant, Human Language Processing Lab, Univ. of Rochester<br>Advisor: Dr. T. Florian Jaeger<br>Research Projects: Adaptation effect in processing syntactic anomalies and unpredicted word forms; Form-based predictions in sentence processing.<br>Techniques: Behavioral, Eye-tracking, EEG/ERP |
| 2014.5 | CHASE Summer School: The Dynamics of Music and Language<br>Selected and sponsored to attend symposium and workshops organized by UCMerced Center for Human Adaptive Systems and Environments on current issues in music and language dynamics and related topics in cognitive neuroscience.                   |

- 2013-2016      Research Assistant, Language Processing in Context Lab, Univ. of Iowa  
 Advisor: Dr. Thomas Farmer  
 Research Projects: Adaptation effect in processing of syntactic anomalies and unpredicted word forms; Role of phonological typicality in sentence comprehension; Predictions about sub-lexical information in sentence processing; Priming effect in pragmatic inference.  
 Techniques: Eye-tracking
- 2010-2013      Research Assistant, Center for Brain and Cognitive Sciences, Peking Univ.  
 Advisor: Dr. Xiaolin Zhou  
 Research Projects: Access to word prosody in silent reading; How prosodic information facilitates topic structure building; On-line processing of long dependency in Chinese relative clauses.  
 Techniques: EEG/ERP

## TEACHING EXPERIENCE

### *Teaching Asistant*

2016 Spring    Research Methods & Design, Univ. of Iowa

### *Teaching Asistant*

2015 Fall      Introduction to Cognitive Psychology, Univ. of Iowa

## RELEVANT COURSEWORK

**Graduate:** Information Theory; Methods in Data-Enabled Research into Human Behavior and its Cognitive and Neural Mechanisms; Seminar: Models and Mechanisms of Language learning, Auditory Neuroscience, Cognitive Neuroscience of Frontal Lobe Function, Cognitive Science Language Proseminar, Bayesian Methods and Design, Mixed-Effects Modeling in Psychology, etc.

**Undergraduate:** Functional Anatomy of Central Nervous System, Cognitive Neuroscience, Sensation and Perception, Animal Communication and Human Language, etc.

## COMPUTER SKILLS

R, RStan, Python, MATLAB, SAS, STATA, Presentation, Brain Product Recorder/Analyzer, EEGLAB, Praat

## HONORS & AWARDS

2016	Post-comprehensive Research Award, University of Iowa	\$9,404.5
2016	Graduate College Summer Fellowship, University of Iowa	\$4,000
2016	Stanley Graduate Awards for International Research, University of Iowa	\$1,250
2010	Kwang-Hua Scholarship, Peking University	\$500

**PUBLICATION AND REFERENCED CONFERENCE PROCEEDINGS**

**Yan, S.**, & Farmer, T. A. (abstract accepted for special issue). Adaptation to Unexpected Word-Forms in Highly Predictive Sentential Contexts. *Frontiers in Psychology*.

Luo, Y., Yan, M., **Yan, S.**, Inhoff, A., & Zhou, X. (2015). Syllabic Tone Articulation Influences Word Identification during Chinese Sentence Reading: Evidence from ERP and Eye Movement Recordings. *Cognitive, Affective, & Behavioral Neuroscience*, 1-21. doi:10.3758/s13415-015-0368-1

Farmer, T. A., **Yan, S.**, Bicknell, K., & Tanenhaus, M., (2015). Form-To-Expectation Matching Effects on Early Eye-Movement Measures During Reading. *Journal of Experimental Psychology: Human Perception and Performance*, 41(4), 958-976. doi:10.1037/xhp0000054

Farmer, T. A., Fine, A. B., **Yan, S.**, Cheimariou, S, & Jaeger, F. (2014). Error-Driven Adaptation of Higher-Level Expectations During Reading. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 2181-2186). Austin, TX: Cognitive Science Society.

**CONFERENCE PRESENTATIONS***Oral*

**Yan, S.**, & Farmer, T. A., (2015). Adaptation to Unexpected Word-Forms in Highly Predictive Sentential Contexts. Talk presented at the 28th Annual Meeting of the CUNY Conference on Human Sentence Processing, Los Angeles, CA. <10% Talk Acceptance Rate.

*Poster*

**Yan, S.**, & Farmer, T. A., (2015). Adaptation to Unexpected Word-Forms in Highly Predictive Sentential Contexts. Poster presented at the 37th Annual Conference of the Cognitive Science Society, Pasadena, CA.

Fabre, M., **Yan, S.**, Luo, Y., & Zhou, X., (2015). When Context Meets Sentence at the Prosodic Boundary: ERP Evidence. Poster presented at the 21st Annual Meeting of the Organization for Human Brain Mapping, Honolulu, HI.

**PROFESSIONAL MEMBERSHIP**

Cognitive Science Society