

EDUCATION

- University of Rochester** Rochester, NY
PhD Candidate, Brain and Cognitive Sciences; GPA: 4.00/4 Aug. 2016 – Present
- University of Iowa** Iowa City, IA
M.A. in Cognitive Psychology; GPA: 4.00/4 Aug. 2013 – May. 2016
- Peking University** Beijing, China
B.S. in Psychology/B.Econ in Finance; GPA: 3.76/4 Sep. 2008 – June. 2012

COURSEWORK

- **Graduate:** Bayesian Methods and Design, Mixed-Effects Modeling, Information Theory, Methods in Data-Enabled Research, Models and Mechanisms of Language Learning
- **Undergraduate:** Probability Theory, Econometrics, Mathematics in Finance (Stochastic Processes), Cognitive Neuroscience

EXPERIENCE

- NSF/NRT Graduate Trainee in Data-Enabled Research** Rochester, NY
Trainee Aug. 2016 – May 2017
- **Methodology:** Used Deep neural networks and Bayesian methods to model human behavior. Topics covered: Computational Vision, Sentiment Analysis, Speech Perception
 - **Practicum:** Worked in a group project where we used Deep Neural Network to classify Aphasic patients based on their prosody and transcribed speech. More details can be found at the *project website*. Responsible for extracting prosodic information, model structure design, and model performance evaluation.

- University of Rochester** Rochester, NY
Research Assistant Aug. 2016 – Present
- **Unsupervised Speech Adaptation:** Used Bayesian learning algorithms to model how people's perceived speech categories change after exposure to unlabeled speech input and what prior knowledge enables such ability.
 - **Neural Signatures of Semantic Processing:** Examined, both theoretically and empirically, what metrics of semantic processing (e.g., surprisal, semantic distance, event update) can best predict ERPs (event-related potentials) that reflect meaning construction.
 - **Contextual Diversity of Lexical Items:** Testing and modeling whether and how language users are sensitive to the contextualized word distributions.

- University of Iowa** Iowa City, IA
Research Assistant Aug. 2013 – Aug. 2016
- **Syntactic Adaptation:** Used mixed-effect models to model readers' pattern of eye-movements to examine how readers rapidly update their expectations during syntactic processing.

- Peking University** Beijing, China
Research Assistant March 2010 – Aug. 2013
- **Prosodic Boundary:** Designed, recorded, and annotated linguistic materials to study how prosodic boundaries (pauses) modulate access to semantic information in processing topic structures.
 - **Chinese Neutral Tone:** Used ERP/EEG and eye-tracking to study whether and when prosodic information is activated during silent reading.

AWARDS

- Post-comprehensive Research Award, University of Iowa \$9,404.5
Graduate College Summer Fellowship, University of Iowa \$4,000
Stanley Graduate Awards for International Research, University of Iowa \$1,250

SKILLS

- **Statistical Tools:** Bayesian methods, Mixed-effect models, Generalized additive models.
- **Programming Languages:** Python, R, MATLAB, JavaScript, SAS
- **Experiment Methods:** Crowd-sourcing (MTurk), Behavioral methods, Eye-tracking, Neuroimaging
- **Languages:** Mandarin (native), English (fluent), French (conversational), Cantonese (conversational)