

# Felicia Zhang

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## EDUCATION

### **Princeton University**

2015 – Present

*Ph.D Candidate in Cognitive Psychology*

Advisors: Lauren Emberson & Casey Lew-Williams

### **University of Toronto**

2010 – 2014

*Honors B.Sc. with High Distinction in Psychology Research Specialist Program*

Advisor: Morgan Barense

Thesis: The Effects of Training on Conjunctive Visual Search

## AWARDS

NSERC Postgraduate Scholarships-Doctoral

2018 – Present

Overdeck Education Research Innovation Fund

2018

Centennial Fellowship in the Natural Sciences and Engineering

2015 – Present

Dean's List

2013, 2014

University of Toronto Undergraduate Awards in Natural Sciences and Engineering

2013

Queen Elizabeth II Aiming for the Top Scholarship

2010

University of Toronto President's Entrance Scholarship

2010

## PUBLICATIONS

**Zhang, F.**, Jaffe-Dax, S., Wilson, R. C. & Emberson, L. L. (under review). Prediction and statistical learning in infants and adults: A pupillometry study.

Liang, J., Erez, J., **Zhang, F.**, Cusack, R. & Barense, M.D. (2017). Neural evidence for unitization following perceptual expertise. *Journal of Vision*, 17(10).

D'Angelo, M.C., Smith, V.M., Kacollja, A., **Zhang, F.**, Binns, M.A., Barense, M.D., & Ryan, J. D. (2016). The effectiveness of unitization in mitigating age-related relational learning impairments. *Aging, Neuropsychology, and Cognition*, 1-24.

## CONFERENCE PRESENTATIONS

**Zhang, F.** & Emberson, L. L. (2018, July). Prediction Error in Auditory and Visual Domain of 6-month-old: A Pupillometry Study. International Congress of Infant Society Biennial Congress, Philadelphia, Pennsylvania.

**Zhang, F.**, Jaffe-Dax, S., Wilson, R. C. & Emberson, L. L. (2018, July). Prediction in Infants and Adults: A Pupillometry Study. International Congress of Infant Society Biennial Congress, Philadelphia, Pennsylvania.

**Zhang, F.** & Emberson, L. L. (2018, June). Prediction Error in Auditory and Visual Domain of 6-month-old: A Pupillometry Study. 1st International Workshop on Predictive Processing, San Sebastián, Spain.

- Zhang, F.**, Jaffe-Dax, S., Wilson, R. C. & Emberson, L. L. (2018, June). Prediction in Infants and Adults: A Pupillometry Study. 1st International Workshop on Predictive Processing, San Sebastián, Spain.
- Zhang, F.**, Jaffe-Dax, S., Wilson, R. C. & Emberson, L. L. (2017, June). Prediction and statistical learning in infants and adults: A Pupillometry Study. 1st International Conference on Interdisciplinary Advances in Statistical Learning, Bilbao, Spain.
- Zhang, F.** & Emberson, L. L. (2017, June). Examining the online mechanisms of visual statistical learning using pupillometry. International Conference on Interdisciplinary Advances in Statistical Learning, Bilbao, Spain.
- Zhang, F.**, Jaffe-Dax, S., Wilson, R. C. & Emberson, L. L. (2017, April). Prediction in young infants: A pupillometry study. Society for Research in Child Development 2017 Biennial Meeting, Austin, Texas.
- Zhang, F.**, Aslin, N. R. & Emberson, L. L. (2016, October). Investigating auditory prediction in young infants using fNIRS. The Society for functional Near Infrared Spectroscopy 2016 Biennial Meeting, Paris, France.
- Khatri, N., Hardy, J., **Zhang, F.**, Hynie, M. & Mitchell, S. (2015, May). Living Life to the Full for Older Adults: An Ontario pilot project. Global Mental Health Conference, Toronto, Ontario.
- Khatri, N., Hardy, J., **Zhang, F.**, Mitchell, S., & Hynie, M. (2015, March). Community based group intervention for older adults experiencing low mood and stress: An Ontario pilot project. Women in Science and Engineering National Conference Poster Competition, Toronto, Ontario.
- D'Angelo, M.C., Kacollja, A., Smith, V.M., Rabin, J.S., **Zhang, F.**, Binns, M.A., Rosenbaum, S., Barensse, M., & Ryan, J.D (2015, March). Unitization Supports Relational Learning in Healthy Aging and Amnesic Cases. 22<sup>nd</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, California.
- Khatri, N., Hardy, J., **Zhang, F.**, Mitchell, S., & Hynie, M. (2015, February). Community based group intervention for older adults experiencing low mood and stress: An Ontario pilot project. Ontario Psychological Association 68<sup>th</sup> Annual Conference, Toronto, Ontario.
- Khatri, N., Hardy, J., **Zhang, F.**, Mitchell, S., & Hynie, M. (2014, September). Community based group intervention for older adults experiencing low mood and stress: An Ontario pilot project. Presented as a talk at the Canadian Coalition for Seniors' Mental Health – Canadian Academy of Geriatric Psychiatry Joint Scientific Meeting, Toronto, Ontario.
- D'Angelo, M.C., Smith, V.M., **Zhang, F.**, Kacollja, A., Barensse, M., & Ryan, J.D. (2014, July). Aging and Unitization: Unitization Supports Relational Learning in Healthy Older Adults but not those At-Risk for MCI. 24<sup>th</sup> Annual Meeting of Canadian Society for Brain, Behaviour and Cognitive Science, Toronto, Ontario.
- Erez, J., Cusack, R., **Zhang, F.**, & Barensse, M. (2014, April). Experience modifies the conjunctive neural representations necessary for complex object perception. 21<sup>st</sup> Annual Meeting of the Cognitive Neuroscience Society, Boston, Massachusetts.

- D'Angelo, M.C., Smith, V.M., **Zhang, F.**, Kacollja, A., Barense, M., & Ryan, J.D. (2014, March). Unitization supports relational learning in healthy older adults, but not those at-risk for MCI. 24<sup>th</sup> Annual Rotman Research Institute Neuroscience Conference, Toronto, Ontario.
- D'Angelo, M.C., Smith, V.M., **Zhang, F.**, Kacollja, A., Barense, M., & Ryan, J.D. (2014, February). Unitization supports relational learning in healthy older adults, but not those at-risk for MCI. 43<sup>rd</sup> Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Ontario.
- Erez, J., Cusack, R., **Zhang, F.**, & Barense, M.D. (2014, February). How the neural representations for feature conjunctions of complex objects change with experience. 43<sup>rd</sup> Annual Lake Ontario Visionary Establishment Conference, Niagara Falls, Ontario.
- Zhang, F.**, Shen, J., Misquith, C., Mak, J., & Geva, E. (2012, July). Reading comprehension predictors in ELL second graders. 19<sup>th</sup> Annual Meeting of the Society for the Scientific Study of Reading, Montreal, Quebec.

### **TEACHING**

Innovate with Online Teaching: R Programming and Statistics for Beginners	2018 – Present
PSY 255: Cognitive Psychology, Assistant-in-Instruction	Spring 2018
PSY 254: Developmental Psychology, Assistant-in-Instruction	Fall 2017
PSY 101: Introduction to Psychology, Assistant-in-Instruction	Fall 2016

### **PROFESSIONAL ACTIVITIES**

Princeton University Graduate Consulting Club	2018 – Present
Princeton Psychology Professional Development Committee	2017 – Present
Princeton Psychology Community-Building Leadership Council	2016 – Present
Princeton Psychology Graduate Statistics Committee	2015 – 2016

### **OUTREACH**

Princeton University <i>McGraw Graduate Teaching Fellow</i>	2018 – Present
Princeton University <i>Graduate Fellow in Scholars Institute Fellows Program</i>	2017 – 2018
Princeton University <i>Mentor in Office of Undergraduate Research - ReMatch</i>	2017
University of Toronto <i>Mentor in Psychology Department</i>	2014 – 2017