Felicia Zhang

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EDUCATION

Princeton University   2015 – Present
Ph.D Candidate in Cognitive & Developmental Psychology
Advisor: Lauren Emberson

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 AND HONORS

NSERC Postgraduate Scholarship-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. & Emberson, L. L. (Under Review). Using pupillometry to investigate predictive processes in infancy. *Infancy*.

Zhang, F. & Emberson, L. L. (2019). Opposing timing constraints severely limit the use of pupillometry to investigate visual statistical learning. *Frontiers in Psychology*.

Zhang, F., Jaffe-Dax, S., Wilson, R. C. & Emberson, L. L. (2018). Prediction in infants and adults: A pupillometry study. *Developmental Science*, e12780.

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.

D'angelo, M. C., Smith, V. M., **Zhang, F.**, Kacollja, A., Barense, M. D., & Ryan, J. D. (2014). Aging and Unitization: Unitization Supports Relational Learning in Healthy Older Adults but not Those At-risk for MCI. *Canadian Journal of Experimental Psychology*, *68*(4), 263.

CONFERENCE PRESENTATIONS

Zhang, F., Reuter, T. & Emberson, L. L. (2019, October). Prediction and prediction error in 14-month-old infants. Cognitive Development Society, Louisville, Kentucky.

Zhang, F. & Emberson, L. L. (2019, March). Prediction Error in Auditory and Visual Domain of 6-month-old: A Pupillometry Study. Society for Research in Child Development 2019 Biennial Meeting, Baltimore, Maryland.

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., Barense, M., & Ryan, J.D (2015, March). Unitization Supports Relational Learning in

Healthy Aging and Amnesic Cases. 22nd 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 68th 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., Barense, M., & Ryan, J.D. (2014, July). Aging and Unitization: Unitization Supports Relational Learning in Healthy Older Adults but not those At-Risk for MCI. 24th Annual Meeting of Canadian Society for Brain, Behaviour and Cognitive Science, Toronto, Ontario.

Erez, J., Cusack, R., **Zhang, F.**, & Barense, M. (2014, April). Experience modifies the conjunctive neural representations necessary for complex object perception. 21st 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. 24th 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. 43rd 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. 43rd 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. 19th Annual Meeting of the Society for the Scientific Study of Reading, Montreal, Quebec.

TEACHING

Statistics   Spring 2019
Tutor, Princeton University

PSY 254: Developmental Psychology   Fall 2018
Assistant-in-Instruction, Princeton University

Online Teaching: R Programming and Statistics for Beginners   Summer 2018
Instructor, Princeton University

PSY 255: Cognitive Psychology   Spring 2018
Assistant-in-Instruction, Princeton University

PSY 254: Developmental Psychology   Fall 2017
Assistant-in-Instruction, Princeton University

PSY 101: Introduction to Psychology   Fall 2016
Assistant-in-Instruction, Princeton University

PROFESSIONAL ACTIVITIES
Subject Pool Graduate Student Representative   2018 – 2019

Princeton University Graduate Consulting Club   2018 – 2019

Princeton Psychology Professional Development Committee   2017 – 2019

Princeton Psychology Community-Building Leadership Council   2016 – 2018

REVIEWER   2018 – Present
Developmental Cognitive Neuroscience
Developmental Science
PloS One

OUTREACH
Princeton University   2018 – 2019
McGraw Graduate Teaching Fellow

Princeton University   2017 – 2018
Graduate Fellow in Scholars Institute Fellows Program

Princeton University   2017
Mentor in Office of Undergraduate Research - ReMatch

University of Toronto   2014 – 2017
Mentor in Psychology Department