

Ting Qian

Address

Department of Psychology
Princeton University
325 Peretsman-Scully Hall
Princeton, NJ 08544

Email: ting.qian@princeton.edu

Professional Appointments

Lecturer Department of Psychology, Princeton University	2018-present
Research Data Scientist Department of Biomedical and Health Informatics, The Children's Hospital of Philadelphia	2015-2018
Postdoctoral Research Associate Department of Cognitive, Linguistic, and Psychological Sciences, Brown University	2014-2015

Education

Ph.D. in Brain and Cognitive Sciences, University of Rochester	2009-2014
B.S. in Brain and Cognitive Sciences, University of Rochester	2007-2009
Cognitive Science Program, State University of New York at Oswego	2005-2007

Publications

Journal Articles

- Bankieris, K., **Qian, T.**, & Aslin, R. N. (under review). Synesthetes as entrenched learners: evidence from a non-stationary statistical learning task. under review
- Wu, R., **Qian, T.**, & Aslin, R. N. (under review). Parallel processes of instance and schema learning for novel stimuli in 9-month-olds. under review
- Qian, T.**, Reeder, P. A., Aslin, R. N., Tenenbaum, J. B., & Newport, E. L. (under review). Rational Generalization via Rational Categorization: Finding the optimal granularity of grammatical categories. under review
- Cocos, A., **Qian, T.**, & Masino, A. J. (2017). Crowd Control: Effectively Utilizing Unscreened Crowd Workers for Biomedical Data Annotation. *Journal of Biomedical Informatics*, 69, 86-92. 2017
- Qian, T.**, Jaeger, T. F., & Aslin, R. N. (2016). Incremental Implicit Learning of Bundles of Statistical Patterns. *Cognition*, 157, 156-173. 2016

- Qian, T.**, & Masino, A. J. (2016). Latent Patient Cluster Discovery for Robust Future Forecasting and New-patient Generalization. *PLoS ONE*, 11(9): e0162812. doi:10.1371/journal.pone.0162812 2016
- Qian, T.** & Aslin, R. N. (2014). Learning bundles of stimuli renders stimulus order as a cue, not a confound. *Proceedings of the National Academy of Sciences of the United States of America*, 111(40), 14400-14405. 2014
- Fine, A. B., Jaeger, T. F., Farmer T., & **Qian, T.** (2013). Rapid Expectation Adaptation During Syntactic Comprehension. *PLOS One*, 8(10):e77661. doi:10.1371/journal.pone.0077661 2013
- Qian, T.**, Jaeger, T. F., & Aslin, R. N. (2012). Learning to Represent a Multi-Context Environment: More than Detecting Changes. *Frontiers in Psychology*, 3:228. 2012
- Qian, T.**, & Jaeger, T. F. (2012). Cue Effectiveness in Communicatively Efficient Discourse Production. *Cognitive Science*, 36, 1312-1336. 2012

Peer-reviewed Conference Proceeding Papers

- Qian, T.**, & Masino, A. J. (2016). Identifying Subsets of “Big Data” Relevant for Hearing Loss Progression Research. *Proceedings of the 2016 AMIA Summit on Clinical Research Informatics*. 2016
- Cocos, A., Masino, A. J., **Qian, T.**, Pavlick, E., & Callison-Burch C. (2015) Effectively Crowdsourcing Radiology Report Annotations. *The Sixth International Workshop on Health Text Mining and Information Analysis*. 2015
- Qian, T.**, & Austerweil, J. (2015). Learning Additive and Substitutive Features. *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 1919–1924). Austin, TX: Cognitive Science Society. 2015
- Qian, T.**, Reeder, P., Aslin, R., Tenenbaum, J. B., & Newport, E. L. (2012). Exploring the Role of Representation in Models of Grammatical Category Acquisition. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.), *Proceedings of the 34th Annual Conference of the Cognitive Science Society* (pp. 881–886). Austin, TX: Cognitive Science Society. 2012
- Qian, T.**, & Jaeger, T. F. (2011). Topic Shift in Efficient Discourse Production. In *Proceedings of the 33rd Annual Meeting of the Cognitive Science Society*. (pp. 3313-3318) 2011
- Qian, T.**, Hollingshead, K., Yoon, S., Kim, K., & Sproat, R. (2010). A Python Toolkit for Universal Transliteration. In *Proceedings of LREC 2010*. (pp. 2897-2901) 2010
- Qian, T.**, & Jaeger, T. F. (2010). Close = Relevant? The Role of Context in Efficient Language Production. In *Proceedings of ACL 2010 Cognitive Modeling and Computational Linguistics Workshop*. (pp. 45-53) 2010
- Fine, A. B., **Qian, T.**, Jaeger, T. F., & Jacobs, R. A. (2010). Is there syntactic adaptation in language comprehension?. In *Proceedings of ACL 2010 Cognitive Modeling and Computational Linguistics Workshop*. (pp. 18-26) 2010
- Qian, T.**, & Jaeger, T. F. (2009). Evidence for Efficient Language Production in Chinese. In *Proceedings of the 31st Annual Meeting of the Cognitive Science Society*. (pp. 851-856). 2009

- Qian, T.**, Van Durme, B., & Schubert, L. K. (2009). Building a Semantic Lexicon of English Nouns via Bootstrapping. In *Proceedings of the NAACL HLT Student Research Workshop and Doctoral Consortium*. (pp. 37-42) 2009
- Van Durme, B., **Qian, T.**, & Schubert, L. K. (2008). Class-driven Attributes Extraction. In *Proceedings of the 22nd International Conference on Computational Linguistics*. (pp. 921-928) 2008
- Qian, T.** (2007). Multi-stage Genetic Algorithm: Introducing Temporal Structures to Facilitate Selection of Optimal Evolutionary Paths. In *Proceedings of the sixth International Conference of Machine Learning and Applications*. (pp. 56-61) 2007
- Qian, T.**, & Qiu, L. (2007). Automatic Correction of Idiomatic Usage in English Using Web Search. In *Proceedings of the 2007 ACM/WIC/IEEE International Conference on Web Intelligence*. (pp. 283-286) 2007

Technical Reports

- Discriminative Training of Interscriptal Transcription*, part of the final report of *Multilingual Spoken Term Detection*, CLSP Summer Workshop 2008, the Johns Hopkins University, Baltimore, MD, USA. 2008

Teaching Experience

- Guest lecturer** *Princeton University, Princeton, NJ* 2017
 Taught a 3-day workshop on mixed model regression for behavioral sciences
- Teaching Assistant** *University of Rochester, Rochester, NY* 2009-2012
Courses: Cognitive Psychology, Statistical Analysis and Experimental Design

Awards and other Recognitions

- Google Travel Grant 2012
- The Cognitive Science Society Student Travel Grant 2009
- Bishops Scholarship for excellence in undergraduate research, University of Rochester 2008
- Rush Rhees Scholarship, University of Rochester 2007-2009
- Invitation to Sigma Xi, the Scientific Research Society (accepted) 2007
- Best Undergraduate Student Research, State University of New York at Oswego 2007
- Undergraduate Scholarly & Creative Activity Grant, State University of New York at Oswego 2005
- Presidential Scholar, State University of New York at Oswego 2005-2007

Last updated: September 10, 2018