

Mengyang Qiu

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Education

University at Buffalo, The State University of New York	
Ph.D., Communicative Disorders and Sciences (CogSci Track)	2016–2021(Expected)
Advisor: Brendan T. Johns, Ph.D.	
M.S., Computational Linguistics	2018–2019
M.S. Project: Artificial Error Generation with Fluency Filtering	
Advisor: Jungyeul Park, Ph.D.	
M.A., General Linguistics	2013–2016
M.A. Project: Verb Aspect and the Activation of Location Information	
Advisor: Jean-Pierre Koenig, Ph.D.	
B.A., Psychology & Linguistics (Honors in Language and Cognition)	2010–2013

Honors and Awards

University at Buffalo, The State University of New York	
Mark Diamond Research Fund, \$2964	2020–2021
GSA Conference Funding, \$550	2018
New York State Graduate Student Employees Union Award, \$2202.50	2015
Wolfgang Wölck Outstanding Graduating Senior Award, \$250	2013

Publications

- Qiu, M.**, Castro, N., & Johns, B. T. (accepted). Structural comparisons of noun and verb networks in the mental lexicon. In *Proceedings of the 43rd Annual Conference of the Cognitive Science Society*.
- Qiu, M.**, & Johns, B. T. (2020). Semantic diversity in paired-associate learning: Further evidence for the information accumulation perspective of cognitive aging. *Psychonomic Bulletin & Review*, 27(1), 114–121. doi:10.3758/s13423-019-01691-w.
- Qiu, M.**, & Park, J. (2019). Artificial error generation with fluency filtering. In *Proceedings of the Fourteenth Workshop on Innovative Use of NLP for Building Educational Applications* (pp. 87–91). doi:10.18653/v1/W19-4408.
- Qiu, M.**, Chen, X., Liu, M., Parvathala, K., Patil, A., & Park, J. (2019). Improving precision of grammatical error correction with a cheat sheet. In *Proceedings of the Fourteenth Workshop on Innovative Use of NLP for Building Educational Applications* (pp. 240–245). doi:10.18653/v1/W19-4425.

Conference Presentations and Posters

- Qiu, M.** (2020, November). Using natural language processing for language sample analysis. Proposal accepted at the *Annual Convention of the American Speech-Language-Hearing Association*, San Diego, CA (Convention canceled).
- Sun, S., & **Qiu, M.** (2020, November). Early production of animal vocabulary in Mandarin Chinese and American English. Proposal accepted at the *Annual Convention of the American Speech-Language-Hearing Association*, San Diego, CA (Convention canceled).

Qiu, M., & Johns, B. T. (2018, November). Memory searching pathway underlying verb fluency. Poster presented at the *Annual Convention of the American Speech-Language-Hearing Association*, Boston, MA.

Min, H., Guo, L., Higginbotham, D. J., & **Qiu, M.** (2018, November). How does writing medium influence the operation of writing processes and writing quality? Poster presented at the *Annual Convention of the American Speech-Language-Hearing Association*, Boston, MA.

Research Experience

University at Buffalo, The State University of New York	
Graduate Research Assistant PI: Nichol Castro, Ph.D.	2020–Present
Adult Language Network Lab	
Department of Communicative Disorders and Sciences	
Programmer PI: Thea Knowles, Ph.D.	Spring 2020
Clinical Applications of Speech Acoustics Lab	
Department of Communicative Disorders and Sciences	
Project Leader Supervisor: Jungyeul Park, Ph.D.	Spring 2019
Grammatical Error Correction Project, Department of Linguistics	
Graduate Research Assistant PI: Brendan T. Johns, Ph.D.	2016–2019
Computational Language and Memory Lab	
Department of Communicative Disorders and Sciences	
Graduate Research Assistant PI: Christopher McNorgan, Ph.D.	Summer 2017
Computational Cognitive Neuroscience Lab, Department of Psychoplogy	
Undergraduate Research Assistant PI: Gail Mauner, Ph.D.	2012–2013
Psycholinguistics Lab, Department of Psychoplogy	
Undergraduate Research Assistant PI: Paul Luce, Ph.D.	Summer 2012
Language Perception Lab, Department of Psaychology	
Undergraduate Research Assistant PI: Eon-Suk Ko, Ph.D.	Summer 2011
Child Language Development Project, Department of Linguistics	

Teaching Experience

University at Buffalo, The State University of New York	
Teaching Assistant, Department of Communicative Disorders and Sciences	2016–2021
CDS 151: Introduction to Speech-Language Pathology and Audiology	
CDS 564: Language Disorders in Adults	
CDS 480/687: Disorders of Memory	
Instructor, Department of Linguistics	2013–2015
CHI 101 & 102: First-Year Chinese	

Professional Service

Reviewer Workshop on Innovative Use of NLP for Building Educational Applications	2020–Present
Student Reviewer Journal of Speech, Language, and Hearing Research	2017
Under the supervision of Ling-Yu Guo, Ph.D.	

Technical Skills

Programming: Python, Javascript, Java, R, Matlab
Experiment: jsPsych, PsychoPy/JS, JATOS, psiTurk, E-Prime
NLP: PyTorch, Keras, SpaCy, NLTK
Others: L^AT_EX, Git, Prolog, Praat

Other Information

Citizenship: China

Permanent Residency: Canada

Languages: Mandarin (native), English (fluent), Cantonese (receptive)