

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. (2021). Structural comparisons of noun and verb networks in the mental lexicon. In *Proceedings of the 43rd Annual Conference of the Cognitive Science Society* (pp. 1649–1655).
- 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. Adult Language Network Lab Department of Communicative Disorders and Sciences	2020–Present
Programmer PI: Thea Knowles, Ph.D. Clinical Applications of Speech Acoustics Lab Department of Communicative Disorders and Sciences	Spring 2020
Project Leader Supervisor: Jungyeul Park, Ph.D. Grammatical Error Correction Project, Department of Linguistics	Spring 2019
Graduate Research Assistant PI: Brendan T. Johns, Ph.D. Computational Language and Memory Lab Department of Communicative Disorders and Sciences	2016–2019
Graduate Research Assistant PI: Christopher McNorgan, Ph.D. Computational Cognitive Neuroscience Lab, Department of Psychoplogy	Summer 2017
Undergraduate Research Assistant PI: Gail Mauner, Ph.D. Psycholinguistics Lab, Department of Psychoplogy	2012–2013
Undergraduate Research Assistant PI: Paul Luce, Ph.D. Language Perception Lab, Department of Psaychology	Summer 2012
Undergraduate Research Assistant PI: Eon-Suk Ko, Ph.D. Child Language Development Project, Department of Linguistics	Summer 2011

Teaching Experience

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

Professional Service

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

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)