

# Mengyang Qiu

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<https://mengyang.dev>

## Education

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

## Honors and Awards

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<b>University at Buffalo, The State University of New York</b>	
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

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- 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). Retrieved from <https://escholarship.org/uc/item/4b20s6wp>.
- 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

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- 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

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

## Teaching Experience

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

## Professional Service

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

## Technical Skills

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**Programming:** Python, Javascript, Java, R, Matlab  
**Experiment:** jsPsych, PsychoPy/JS, JATOS, psiTurk, E-Prime  
**NLP:** PyTorch, Keras, SpaCy, NLTK  
**Others:** L<sup>A</sup>T<sub>E</sub>X, Git, Prolog, Praat

## Other Information

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**Citizenship:** China

**Permanent Residency:** Canada

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