Mengyang Qiu

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Education

University at Buffalo, The State University of New York

Ph.D., Communicative Disorders and Sciences	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
Teaching Assistantship with Full Tuition Scholarship	2013–Present
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.**, & 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

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

Teaching Assistant, University at Buffalo

Department of Communicative Disorders and Sciences 2016–Present
  CDS 151: Intro to Speech-Language Pathology and Audiology
  CDS 564: Language Disorders in Adults
  CDS 480/687: Disorders of Memory

Department of Linguistics 2013–2015
  CHI 101 & 102: First-Year Chinese

Professional Service

Reviewer | 15th Workshop on Innovative Use of NLP for Building Educational Applications 2020
Student Reviewer | Journal of Speech, Language, and Hearing 2017
  Under the supervision of Ling-Yu Guo, Ph.D.

Technical Skills

Programming: Python, Java, Javascript
Statistics: R, Matlab, SPSS
Experiment: jsPsych, PsychoPy/JS, JATOS, psiTurk
NLP: PyTorch, Keras, SpaCy
Others: LaTeX, Git, Prolog, Praat