Charlotte Cornell
charlotte.cornell@rutgers.edu

EDUCATION

Psychology (in progress Ph.D., M.S.)   Sept. 2023 – present
Rutgers University – New Brunswick, NJ, USA

Mathematics & Psychology (B.S.), *magna cum laude*   May 2021
Loyola University Chicago – Chicago, IL, USA

HONORS & AWARDS

- Institute of Teaching, Innovation, and Inclusive Pedagogy of Rutgers   January 2025
  University's "You've Been Thanked" Teaching Certificate
- Women of Mathematical Psychology's Professional Representation for   July 2024
  Inclusivity and Minority Empowerment Travel and Networking Award
- Mathematics Departmental Honors   May 2021
- Psychology Departmental Honors   May 2021
- Loyola University Chicago's Interdisciplinary Honors Program   Aug. 2017 – May 2021
- Dean's List of the College of Arts & Sciences   Aug. 2017 – May 2021
- Loyola's Presidential Scholarship   Aug. 2017 – May 2021

RELEVANT EXPERIENCE

Graduate Student, Teaching Assistant,   Sept. 2023 – present
& Lab Manager/Research Assistant   Sept. 2021 – Aug. 2023
Psychology Department, Rutgers University–New Brunswick, USA
- Research the effect of retrieval cues by reviewing literature, designing and analyzing behavioral
  experiments, building computer models, and writing and presenting results.
- Assist professors in teaching duties, including office hours, grading, and occasional lecturing.
- Manage participant information, lab expenses, and lab protocols.

Research Assistant   Jan. 2020 – Dec. 2022
Psychology Department, Loyola University Chicago, USA
- Helped develop an agent-based model analysis method by analyzing models of group interaction.
- Researched mathematical models of participation inequality in groups by extending and
  analyzing a computational model.
- Researched how sleep health affects memory by reviewing literature and designing experiments.
- Collected and analyzed experimental data, wrote and presented results.

Math Club Instructor   Aug. 2019 – Dec. 2019
Gale Elementary School – Chicago, IL, USA
- Assisted 1st through 3rd-grade students with their math skills by planning and leading group and
  individual learning activities to build their confidence in math.

Teaching Assistant   Jan. 2019 – May 2019
Computer Science Department, Loyola University Chicago, USA
- Taught data analysis languages by instructing code tutorials and providing assignment feedback.
- Assisted students with semester projects by helping them develop goals and data visualizations.

PUBLICATIONS
*shared first-authorship

Journal Articles
Angne, H., **Cornell, C.A.**, & Zhang, Q. (2024). A context-based model of collaborative inhibition during memory search. *Scientific Reports, 14,* Article 27645. [link]

Larson, J.R., Jr., **Cornell, C.A.,** & Aramovich, N.P. (2024). Building better theories: Prediction intervals as a tool for theory testing and improvement. *Basic and Applied Social Psychology, 46(3),* 146-168*.* [link]

Cornell, C.A., Norman, K.A., Griffiths, T.L., & Zhang, Q. (2024). Improving memory search through model-based cue selection. *Psychological Science, 35(1),* 55-71*.* [link]

Conference Proceedings
Cornell, C.A.*¸ Jin, S.*, & Zhang, Q. (2024). The role of episodic memory in storytelling: Comparing large language models with humans. *Proceedings of the 46th Annual Conference of the Cognitive Science Society.* [link]

Angne, H., **Cornell, C.A.**, & Zhang, Q. (2024). Why two heads together are worse than apart: A context-based account of collaborative inhibition in memory. *Proceedings of the 46th Annual Conference of the Cognitive Science Society.* [link]

PRESENTATIONS
*presenting author

Cornell, C.A.* & Zhang, Q. (March 2025). *A model of cued memory search*. Spoken presentation to be given at the Psychology Department's Data Blitz at Rutgers University, Piscataway, NJ, USA.

Cornell, C.A.*¸ Jin, S., & Zhang, Q. (November 2024). *The role of episodic memory in storytelling: Comparing large language models with humans.* Poster presentation given at the Satellite Meeting of the Society for Mathematical Psychology at the 65th Meeting of the Psychonomic Society, New York City, New York.

Cornell, C.A.*¸ Jin, S., & Zhang, Q. (July 2024). *The role of episodic memory in storytelling: Comparing large language models with humans.* Poster presentation given at the 46th Annual Conference of the Cognitive Science Society, Rotterdam, the Netherlands.

Angne, H.*, **Cornell, C.A.**, & Zhang, Q. (July 2024). *Why two heads together are worse than apart: A context-based account of collaborative inhibition in memory.* Poster presentation given at the 46th Annual Conference of the Cognitive Science Society, Rotterdam, the Netherlands.

Cornell, C.A.*¸ Jin, S., & Zhang, Q. (July 2024). *The role of episodic memory in storytelling: Comparing large language models with humans.* Spoken presentation given at the joint 57th Annual Meeting of the Society for Mathematical Psychology and 22nd International Conference on Cognitive Modeling, Tilburg University, the Netherlands.

Angne, H.*, **Cornell, C.A.**, & Zhang, Q. (July 2024). *Why two heads together are worse than apart: A context-based account of collaborative inhibition in memory.* Spoken presentation given at the joint 57th Annual Meeting of the Society for Mathematical Psychology and 22nd International Conference on Cognitive Modeling, Tilburg University, the Netherlands.

Cornell, C.A.*¸ Norman, K.A., Griffiths, T.L., & Zhang, Q. (May 2024). *Improving memory search through model-based cue selection*. Poster presentation given at the 20th Annual Context and Episodic Memory Symposium, Philadelphia, PA, USA.

Cornell, C.A.*¸ Norman, K.A., Griffiths, T.L., & Zhang, Q. (May 2024). *Improving memory search through model-based cue selection*. Spoken presentation given at the Psychology Department's Spring Cognitive Fest at Rutgers University, Piscataway, NJ, USA.

Cornell, C.A.*¸ Norman, K.A., Griffiths, T.L., & Zhang, Q. (November 2023). *Improving memory search through model-based cue selection*. Spoken presentation given at the 64th Annual Meeting of the Psychonomics Society, San Francisco, CA, USA.

Cornell, C.A.*¸ Norman, K.A., Griffiths, T.L., & Zhang, Q. (July 2023). *Improving memory search through model-based cue selection*. Spoken presentation given at the joint 56th Annual Meeting of the Society for Mathematical Psychology and 21st International Conference on Cognitive Modeling at the University of Amsterdam, the Netherlands.

Cornell, C.A.*, & Leach, R.C. (May 2021). *Fatigue, drowsiness, and emotional memory*. Spoken presentation given at the Undergraduate Research & Engagement Symposium at Loyola University Chicago, Chicago, IL, USA.

PROFESSIONAL AFFILIATIONS

2024 --	Member, Cognitive Science Society
2023 --	Member, Psychonomics Society
2023 --	Member, Society for Mathematical Psychology
2023 --	Member, Women of Mathematical Psychology

REFERENCES

• **Qiong Zhang, Ph.D.**
Research Advisor
Assistant Professor
Psychology & Computer
  Science Departments
Rutgers University
qiong.z@rutgers.edu

• **Larry Jacobs**
Teaching Mentor
Adjunct Professor
Psychology Department
Rutgers University
best2u@rutgers.edu

• **Jim Larson, Ph.D.**
Research Advisor
Professor Emeritus
Psychology Department
Loyola University Chicago
jlarson4@luc.edu