

Charlotte Cornell

*charlotte.cornell [at] rutgers [dot] edu***EDUCATION**

Cognitive Psychology (M.S., in progress Ph.D.)	Sept. 2023 – present
<i>Rutgers University – New Brunswick, NJ, USA</i>	
Mathematics & Psychology (B.S.), honors, magna cum laude	May 2021
<i>Loyola University Chicago – Chicago, IL, USA</i>	

HONORS & AWARDS

• Institute of Teaching, Innovation, and Inclusive Pedagogy of Rutgers University's "You've Been Thanked" Teaching Certificate	Jan. 2025
• Women of Mathematical Psychology's Professional Representation for Inclusivity and Minority Empowerment Travel and Networking Award	July 2024
• Mathematics Departmental Honors	May 2021
• Psychology Departmental Honors	May 2021
• Loyola University Chicago's Interdisciplinary Honors Program	Aug. 2017 – May 2021

RELEVANT EXPERIENCE

Graduate Student, Teaching Assistant, & Lab Manager	Sept. 2023 – present Sept. 2021 – Aug. 2023
<i>Psychology Department, Rutgers University–New Brunswick, USA</i>	
• Construct formal models of human memory search by reviewing literature, designing and analyzing behavioral experiments, building computer models, and writing and presenting results.	
• Manage research participant information, lab accounts, expenses, and protocols.	
• Teach undergraduate laboratory courses on conducting and writing experiments about human cognition.	
Research Assistant	Jan. 2020 – Dec. 2022
<i>Psychology Department, Loyola University Chicago, USA</i>	
• Developed a novel model analysis method by building models of group interaction.	
• Researched how sleep health and memory by reviewing literature, designing and analyzing experiments, and writing and presenting results.	
Teaching Assistant	Jan. 2019 – May 2019
<i>Computer Science Department, Loyola University Chicago, USA</i>	
• Taught data analysis languages by instructing code tutorials and providing assignment feedback.	
• Assisted students with projects by helping them develop goals and data visualizations.	

PUBLICATIONS

* journal-articles | ** book chapters | *** conference proceedings | **** shared first-authorship

- * **Cornell, C.A.**, & Zhang, Q. (in review). Hierarchical Context Guides Efficient Memory Search. [[link](#)]
- ** Yoon, Y. & **Cornell, C.A.** (in review). Indirect Social Influence Via Shared Environments.
- * Angne, H., **Cornell, C.A.**, & Zhang, Q. (2024). A context-based model of collaborative inhibition during memory search. *Scientific Reports*, 14, Article 27645. [[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](#)]
- *** **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](#)]
- * **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](#)]
- * 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](#)]

PRESENTATIONS

*presenting author

- Cornell, C.A.*** & Zhang, Q. (November 2025). *A hierarchical model of within-list and across-list recall*. Spoken presentation given at the 66th Annual Meeting of the Psychonomics Society, Denver, CO, USA.
- Cornell, C.A.*** & Zhang, Q. (July 2025). *A unified model of within-list and across-list memory search*. Spoken presentation given at the joint 58th Annual Meeting of the Society for Mathematical Psychology and 23rd International Conference on Cognitive Modeling, Ohio State University, Columbus, Ohio, USA.
- Cornell, C.A.*** & Zhang, Q. (April 2025). *Improving memory search: A context-based account*. Spoken presentation given at Psychology Department's Cog Fest at Rutgers University, Piscataway, NJ, USA.
- Cornell, C.A.*** & Zhang, Q. (April 2025). *Modeling cued memory search*. Spoken presentation 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 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.**

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Assistant Professor
Psychology & Computer
Science Departments
Rutgers University
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• **Jim Larson, Ph.D.**

Undergraduate Research Advisor
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• **Larry Jacobs**

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