Qihong Lu

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Education

2013–2017	**B.S.**, University of Wisconsin-Madison, Madison, WI, U.S.A.. Major in Psychology & Mathematics, Minor in Computer Science Comprehensive Honors Psi Chi, Phi Beta Kappa as a junior

Research Experience

Summer 2013	**Research Intern**, Laboratory of Neural Coding. P.I.: Dr. Longnian Lin, Shanghai Key Laboratory of Brain Functional Genomics
2013-2015	**Research Assistant**, Language and Cognitive Neuroscience Lab. P.I.: Dr. Maryellen MacDonald & Dr. Mark Seidenberg, UW-Madison
2014-present	**Research Assistant**, Knowledge and Concepts Lab. P.I.: Dr. Timothy Rogers, UW-Madison
Summer 2015 & 2016	**Visiting Researcher**, The Parallel Distributed Processing Lab. P.I.: Dr. James McClelland, Stanford University

Extracurricular Activities

2013-2014	**Tutor**, Greater University Tutoring Service. ○ Taught Calculus I/II and Introductory Biology.
2013-2014	**Social Science Chair**, IV · Ω Academic Society. ○ Organized social science mini-lectures; presented recent advances in social science.
2014-present	**Student Representative**, Letter & Science Faculty Honors Committee. ○ Discussing and revising academic policies and curriculum. ○ Reviewing scholarship and research grant applications for undergraduate students.

Honors & Awards

2014, 2015	**Undergraduate Research Scholar Award**, Psychology Department. Nominated by Dr.Maryellen MacDonald & Dr.Timothy Rogers
2014	**International Undergraduate Writing Contest 3rd Place**, English Department.
2014	**Welton Summer Sophomore Research Grant**, L&S Honors Program.
2014	**Margaret and Allard Smith Scholarship**, College of L&S. High achieving 2nd year student
2015	**Hilldale Undergraduate Research Fellowship**, College of L&S.
2015	**Bromley Research Conference Travel Grant**, L&S Honors Program.
2015	**CSLI Summer Research Internship**, Stanford University.

2016	**David H. Durra Scholarship**, College of L&S.
	High achieving student in mathematics.
2016	**Undergraduate Travel Awards**, L&S Honors Program.

Technical Skills

Advanced	Matlab, Python, Java, GitHub
Intermediate	R, LENS, SPSS, Linux, LaTeX

Professional Affiliations

2014-present	Cognitive Neuroscience Society
2015-present	Cognitive Science Society

Papers

Lu, Q., Cox, C., Rogers, T. T., Lambon Ralph, M., & Takahashi R. (manuscript in preparation). An interactive account for human vision: a recurrent neural network explains neural and behavioral temporal dynamics of object recognition processes.

McClelland, J.L., Mickey, K., Hansen S., & **Lu, Q.** (manuscript in preparation). A Parallel-Distributed Processing approach to mathematical cognition.

Wang, T., **Lu, Q.** & Seidenberg, M.S. (manuscript in preparation). The role of transitional probability in reading Chinese.

Posters

Cox, C. R., **Lu, Q.**, & Rogers, T. T. (2015). Iterative Lasso: An even-handed approach to whole brain multivariate pattern analysis. Poster presented at the 22nd Cognitive Neuroscience Society annual conference, San Francisco, CA.

Cox, C. R., **Lu, Q.**, & Rogers, T. T. (2015). Iterative Lasso: An even-handed approach to whole brain multivariate pattern analysis. Poster presented at the Neuroimaging, Computational Neuroscience and Neuroengineering Workshop, Madison, WI.

Lu, Q., & Rogers, T. T. (2016). An interactive model accounts for both ultra-rapid superordinate classification and basic-level advantage in object recognition. Poster to be presented at the 38th Annual Meeting of the Cognitive Science Society, Philadelphia, PA.

Lu, Q., & McClelland, J.L. (2016). Teaching a neural network to count: reinforcement learning with "social scaffolding". Poster to be presented at the 15th Neural Computation and Psychology Workshop, Philadelphia, PA.

Talks

Lu, Q., & Rogers, T. T. (2015). Modeling the temporal dynamics of human categorization behavior. Talk delivered at UW-Madison Undergraduate Research Symposium, Madison, WI.

Lu, Q., & McClelland, J.L. (2015). Teaching a PDP model to count. Talk delivered at Stanford Center of Study of Language and Information Summer Research Program Final Presentation, Stanford, CA.

Lu, Q., & Rogers, T. T. (2016). A recurrent neural network for object recognition. Talk delivered at UW-Madison Senior Honors Thesis Symposium, Madison, WI.

Online Course Certificates

2013   **Model Thinking**, *Coursera*, University of Michigan.

2013   **Behavioral Economics in Action**, *edX*, University of Toronto.

2014   **Fundamentals of Neuroscience I**, *edX*, Harvard University.

2014   **Introduction to Dynamical System and Chaos**, Santa Fe Institute.

2014   **Moralities of Everyday Life**, *Coursera*, Yale University.

2014   **Statistical Analysis of fMRI Data**, *Coursera*, Johns Hopkins University.

2014   **Introduction to Complexity**, Santa Fe Institute.

2014   **Justice**, *edX*, Harvard University.

2014   **Machine Learning**, *Coursera*, Stanford University.

2014   **Intro to Computer Science & Programming Using Python**, *Coursera*, MIT.

2015   **The Brain and Space**, *Coursera*, Duke University.

2016   **Statistical Learning**, *Stanford Online*, Stanford University.

2016   **Build a Computer from 1st Principles**, *Coursera*, Hebrew University of Jerusalem.

(Certificates available upon request)