

EDUCATION

- 2019 - 2023 (Expected) **University of California, Los Angeles** Ph.D. in Computational Cognition
Advisor: Dr. Carolyn Parkinson
- 2013 - 2015 **University of Michigan, Ann Arbor** B.S. with Honors
Majors: 1 Computer Science, 2 Biopsychology, Cognition & Neuroscience
- 2012 - 2013 University of Minnesota (Exchange Program)
- 2010 - 2012 Beijing Normal University (Transferred)

AWARDS, FELLOWSHIPS & HONORS

- 2022 Liu Yunghuo Bei Qui Memorial Fellowship (UCLA Psychology)
- 2022 CVPR Travel Award
- 2021 Harold H. Kelley Award for Best Basic Research Paper (UCLA Psychology)
- 2020 Debug 2020 Summit Scholarship
- 2020 Grace Hopper Celebration Scholarship
- 2019 NeurIPS Travel Award
- 2019 Methods in Neuroscience at Dartmouth (MIND) Computational Summer School Fellow
- 2015 LSA Honors Grants for Research, Travel, and Special Projects (Univ. of Michigan)
- 2013 - 2015 University Honors (Univ. of Michigan)
- 2012 - 2013 Dean's List (Univ. of Minnesota)
- 2012 Study Abroad Foundation Scholarship

PUBLICATIONS

- Du, M.** & Lieberman, M. D. (in prep). NS+: A new meta-analysis tool to extend the utility of NeuroSynth.
- Du, M.***, Aflalo, E.*, Tseng, S. Y., Liu, Y., Wu, C., Duan, N., & Lal, V. (2022). VL-InterpreT: An Interactive Visualization Tool for Interpreting Vision-Language Transformers. In *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition*.
- Du, M.**, Parkinson, C. (2021). Navigating social knowledge. *Nature Neuroscience*, 24(9), 1195-1197.
- Du, M.**, Basyouni, R., Parkinson, C. (2021). How does the brain navigate knowledge of social relations? Testing for shared neural mechanisms for shifting attention in space and social knowledge. *NeuroImage*, 118019.
- Schwyck, M.*, **Du, M.***, Li, Y., Chang, L. J., Parkinson, C. (in revision). Similarity Among Friends Serves as a Social Prior: The Assumption That "birds of a Feather Flock Together" Shapes Social Decisions and Relationship Beliefs. *Personality and Social Psychology Bulletin*.

* Equal contributions

PUBLICATIONS (cont.)

- Schwyck, M., **Du, M.**, Parkinson, C. (in review). Neural encoding of novel social networks: Evidence that perceivers prioritize others' centrality.
- Schwyck, M., **Du, M.**, Parkinson, C. (in review). Learning the structure of social worlds: Brokerage affects one's ability to learn new social networks.
- Parkinson, C., & **Du, M.** (2020). How Does the Brain Infer Hidden Social Structures?. *Trends in Cognitive Sciences*, 24(7), 497-498.
- Lieberman, M. D., Straccia, M. A., Meyer, M. L., **Du, M.** & Tan, K. M. (2019). Social, self, (situational), and affective processes in medial prefrontal cortex (MPFC): Causal, multivariate, and reverse inference evidence. *Neuroscience & Biobehavioral Reviews*, 99, 311-328.

CONFERENCE PRESENTATIONS

- Du, M.**, Basyouni, R., Parkinson, C. (2021). Comparing neural mechanisms for shifting attention in space and social knowledge. Accepted at the International Conference on Learning Representations (ICLR) 2021 Workshop.
- Du, M.**, Basyouni, R., Parkinson, C. (2021). Comparing functional connectivity while shifting attention in physical space and social knowledge. Poster presented at the 2021 Meeting of the Social and Affective Neuroscience Society.
- Du, M.** & Lieberman, M. D. (2020). NS+: A new meta-analysis tool to extend the utility of NeuroSynth. Software Demonstration accepted at the 2020 Annual Meeting of the Organization for Human Brain Mapping, Montreal, QC.
- Du, M.** & Lieberman, M. D. (2019). Examining TPJ functions using NS+ (A new meta-analysis tool to extend NeuroSynth utility). UCLA Brain Research Institute Annual Neuroscience Poster Session, Los Angeles CA.
- Du, M.** & Lieberman, M. D. (2019). Examining TPJ functions using NS+ (A new meta-analysis tool to extend NeuroSynth utility). Poster presented at the 2019 Meeting of the Social and Affective Neuroscience Society, Miami, FL.
- Du, M.**, Basyouni, R., Parkinson, C. (2018). Shared neural architecture for navigating space and social hierarchies. Poster presented at the 2018 Meeting of the Social and Affective Neuroscience Society, Brooklyn, NY.
- Weaverdyck, M. E.*, **Du, M.***, Li, Y., Chang, L., Parkinson, C. (2019). Social network knowledge shapes and is shaped by trust behavior. Poster presented at the 2019 International Convention of Psychological Science, Paris, France.
- Weaverdyck, M. E.*, **Du, M.***, Li, Y., Chang, L., Parkinson, C. (2019). Social network knowledge shapes and is shaped by trust behavior. Poster presented at the 2019 Society for Personality and Social Psychology Annual Convention, Portland, OR.
- * Equal contributions
- Weaverdyck, M. E., **Du, M.**, Natarajan, P., Chwe, J. A., Parkinson, C. (2021). Distinct neural representations of facial appearance, trait inferences, and social network knowledge. Poster accepted at the 2021 Meeting of the Social and Affective Neuroscience Society, Santa Barbara, CA.

CONFERENCE PRESENTATIONS (cont.)

- Weaverdyck, M.E., **Du, M.**, Natarajan, P., Chwe, J.A., & Parkinson, C. (2019). Contextual goals shape the neural representation of social networks. Poster presented at the 2019 Meeting of Social and Affective Neuroscience Conference, Miami, FL.
- Castro, V., **Du, M.**, Sul, S., & Parkinson, C. (2018). How well would you treat a friend-of-a-friend? The effects of thirdparty relationship knowledge on prosocial behavior. Poster presented at the 2018 Annual Convention of the Society for Personality and Social Psychology, Atlanta, GA, USA.
- Hitokoto, H., Glazer, J., **Du, M.**, & Kitayama, S. (2015). "Aren't You More Motivated When Watched?" Culture Moderates the Face-Priming Effect on FRN. Poster presented at the Society for Personality and Social Psychology 2015 Annual Convention, Long Beach, CA.

PROGRAMMING & RESEARCH SKILLS

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| <ul style="list-style-type: none">• Python 20+ projects<ul style="list-style-type: none">Machine Learning (<i>Scikit-learn</i>)Deep Learning (<i>PyTorch</i>, <i>Keras</i>)Computer Vision (<i>OpenCV</i>)Data Analysis (<i>Pandas</i>, <i>Numpy</i>)Data VisualizationWeb ScrapingGUI & Standalone Applications• Git 30+ repositories
1k+ <i>GitHub</i> Contributions | <ul style="list-style-type: none">• C/C++ 30+ projects• HTML/CSS/JavaScript 10+ websites<ul style="list-style-type: none">CSS Frameworks (<i>Bootstrap</i>)Frontend Frameworks (<i>AngularJS</i>, <i>Ruby on Rails</i>)Interactive Survey & Data Visualization• Java Android App Development
Cascading Workflows on <i>Hadoop</i>
Distributed File System | <ul style="list-style-type: none">• Experiment design
(behavioral/neuroimaging)• fMRI data analysis• R• Bash scripts• Software Design Patterns• MATLAB |
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