

Dongyu Gong

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EDUCATION

PhD student, Yale University, United States Aug 2023 – Now

- Transferred from the University of Oxford
- Advisor: Kia Nobre
- Dissertation topic: Attention and memory in humans and artificial intelligence

PhD student, University of Oxford, United Kingdom Oct 2021 – Jul 2023

- Clarendon Scholar (fully funded)
- Advisors: Kia Nobre, Dejan Draschkow

BSc, Tsinghua University, China Aug 2017 – Jun 2021

- Major in Psychology, Minor in Computer Science
- GPA: 3.90/4.0, GPA rank: 1/38 (summa cum laude)
- Thesis topic: Saliency-dependent visual distractor suppression

PUBLICATIONS

Gong, D., Wan, X., & Wang, D. (2024). Working memory capacity of ChatGPT: an empirical study. *Proceedings of the AAAI Conference on Artificial Intelligence*, 38.

Gong, D., Draschkow, D., & Nobre, A. C. (2023). Focusing attention in human working memory and long-term memory: benefits through dissociable processes. *bioRxiv*, 2023-05. (Under review at *Nature Communications*)

Gong, D., & Theeuwes, J. (2021). A saliency-specific and dimension-independent mechanism of distractor suppression. *Attention, Perception, & Psychophysics*, 83, 292-307.

SELECTED TALKS

April 2024, **Cognitive Neuroscience Society Annual Meeting**, Data Blitz Sessions, *EEG signatures of orienting attention to long-term vs. working memory contents*, Toronto, Canada.

November 2023, **Society for Neuroscience Annual Meeting**, Nanosymposium on “Mechanisms of Attention: Human Studies, *Dissociable neural processes during attentional selection within working memory and long-term memory*, Washington D.C., United States.

SELECTED PRESENTATIONS

Gong, D., Draschkow, D., & Nobre, A.C. (May 2023). Focusing attention in long-term and working memory improves recall and guides perception. *Poster Presentation at Vision Sciences Society Annual Meeting*, St. Pete Beach, United States.

Gong, D., Draschkow, D., & Nobre, A.C. (July 2022). Selecting and prioritising contents in working and long-term memory guides recall and perception. *Poster Presentation at 2022 Neurobiology of Cognition Gordon Research Conference*, Maine, United States.

Gong, D., & Sun, P. (June 2020). Spatial Heterogeneity for Attentional Capture Susceptibility. *Poster Presentation at Vision Sciences Society Annual Meeting*. Virtual.

Gong, D., & Theeuwes, J. (May 2020). Saliency-Dependent Distractor Suppression at One Specific Location and the Underlying Neural Mechanisms. *Poster Presentation at Cognitive Neuroscience Society Annual Meeting*. Virtual.

Gong, D., & Sun, P. (November 2019). The Effect of Distractor Saliency on Attentional Capture. *Poster Presentation at Psychonomic Society Annual Meeting*, Montréal, Canada.

GRANTS, HONORS, SCHOLARSHIPS & AWARDS

AAAI Student Scholarship and Volunteer Award

2023

Award Winner in Oxford-MRC DTP Supplementary Funding Competition (\$12,600)	2022
New College Sporting and Cultural Award, University of Oxford	2022
New College Travel Grant for GRC Neurobiology of Cognition, University of Oxford	2022
Clarendon Scholarship, University of Oxford	2021
Medical Research Council Studentship, University of Oxford and UK Medical Research Council	2021
New College-Yeotown Scholarship, University of Oxford	2021
Gates Cambridge Scholarship, University of Cambridge (declined)	2021
Outstanding Undergraduate Thesis Award, Tsinghua University	2021
Valedictorian, Tsinghua University	2021
Provincial Outstanding Graduate, Beijing Municipal Commission of Education	2021
Future Scholar Grant for Undergraduate Research, Tsinghua University (\$28,000)	2020 – 2021
Tsinghua Top Grade Scholarship, Tsinghua University	2020
<i>Awarded to 10 among over 3,700 students of the Class of 2021.</i>	
Grant for Undergraduate Overseas Studies, Tsinghua University (\$3,700)	2020
China National Scholarship	2020
Scholarship for Excellence in Scientific Innovation, Tsinghua University	2020
First Prize in 38 th Challenge Cup for Scientific Research, Tsinghua University	2020
Academic Rising Star, 2020 Undergraduates Psychology Forum, Peking University	2020
Excellent Oral Presentation Award in 2019 Tsinghua Student Research Conference	2019
Excellent Poster Presentation Award in 2019 Tsinghua Student Research Conference	2019
Grant for Undergraduate Overseas Studies, Tsinghua University (\$4,500)	2019
Second Prize (in Beijing Division) in 2019 China Undergraduate Mathematical Contest in Modeling	2019
Scholarship for All-Round Excellence, Tsinghua University	2019
Scholarship for Academic Excellence, Tsinghua University	2019
Member of “Spark” Innovation Program for Scientific Research, Tsinghua University	2019
Research Grant for Student-Initiated Project, Tsinghua University (\$9,000)	2018 – 2019
China National Scholarship	2018

TECHNICAL SKILLS

- Programming: Python, MATLAB, R, JavaScript, LaTeX, HTML, C, C++
- Deep learning: PyTorch
- fMRI data analysis: FSL
- EEG data analysis: MNE-Python
- Eye-tracking data analysis

TEACHING EXPERIENCE

Tutor for undergraduates, University of Oxford Michaelmas Term 2022

- Tutored undergraduate students from Somerville College, St Catherine's College, and Worcester College
- Taught 12 Cognition course tutorials on attention, memory, and learning

Teaching Assistant at the *Perception Science Program*, UC Berkeley Summer 2019

- Tutored high school students in experimental design and MATLAB programming.

PEER REVIEWER

- *Robotics and Computer-Integrated Manufacturing*, Journal by Elsevier
- 2023 Conference on Cognitive Computational Neuroscience

LEADERSHIP AND OUTREACH

- **AAAI-24 Student Volunteer**
Feb 2024

- **Committee Member of UK Tsinghua Association**
January 2022 - August 2023
- **Lecturer at “The Road to Academia” Studio, Tsinghua University**
May 2021 - June 2022
- **President of Student Association for Science and Technology, School of Social Sciences, Tsinghua University**
May 2020 - May 2021
- **Member of Undergraduate Curriculum Advisory Committee, Tsinghua University**
Mar 2020 - September 2020
- **Coordinator of the Love for Our Alma Mater Volunteer Activity, Tsinghua University**
Dec 2017 - Apr 2018