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# Dongyu Gong

TEL: (+86) 188-1016-1378 E-mail: gdy17@mails.tsinghua.edu.cn  
Date of Birth: February 2000 Address: Building 11, Zijing Apartment, Tsinghua University,  
Haidian District, Beijing, China

## Education

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**Department of Psychology, Tsinghua University (Major)** 08/2017-07/2021

Overall GPA: 3.90 / 4.0 (top of the class, 1/38)

Major Coursework:

- Experimental Psychology (A)
- Developmental Psychology (A)
- General Psychology (A)
- Statistics for Psychology (A)
- Advanced Psychological Statistics (A+)
- Social Psychology (A+)
- Research Methods in Psychology (A)
- Physiological Psychology (A)
- Cognitive Psychology (A)
- Psychology of Language (A)
- Students Research Training Project (A)

**Department of Computer Science and Technology, Tsinghua University (Minor)** 09/2018-07/2021

Coursework:

- C Language Programming
- Fundamentals of Computer Aided Design
- Big Data and Machine Intelligence
- Database Technology and Application

**2018 Summer School, University of California, Berkeley** 07/02/2018-08/10/2018

Overall GPA: 4.0 / 4.0

Coursework:

- Human Neuropsychology
- English for Specific Purposes: Grammar and Vocabulary

## Research Interests

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General Areas:

- Cognitive Neuroscience (Visual Attention)

Specific Research Topics:

- What are the neural mechanisms underlying attentional capture and suppression?
- How do distractors capture our attention during visual search?
- How does our visual system learn to suppress salient distractors? And how to model it in a computational way?

## Research Experience

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**The Effect of Distractor Saliency and Spatial Location on Attentional Capture** 05/2018 to 11/2019

**Principal Investigator**

- Supported by Tsinghua University Initiative Scientific Research Program
- Innovation in experimental design based on the additional singleton paradigm
- Poster presented at the 60th Annual Meeting of Psychonomic Society
- Guided by Associate Professor Pei Sun, Department of Psychology, Tsinghua University

**Exploring Ensemble Perception Using Reverse Correlation Technique** 06/2019 to 08/2019

**Research Assistant**

- Code the experiments, Revise the experiment design, Analyze the data
- Work with Allison Yamanashi Leib, Research Scientist in Whitney Lab, University of California, Berkeley

- Guided by Professor David Whitney, Department of Psychology, University of California, Berkeley

**Mechanisms of Distractor Suppression**

01/2020 to 04/2020

**Visiting Researcher**

- Experimental design and coding; Data analysis; Paper writing
- Work with Professor Jan Theeuwes, Department of Experimental and Applied Psychology, VU Amsterdam
- Research output (first author, submitted and now in revision for publication, preprint doi: 10.31234/osf.io/a3pkz):

***A Saliency-Specific and Dimension-Independent Mechanism of Distractor Suppression*****Guided Search and Ensemble Coding**

07/2020 to 09/2020

**Research Intern**

- Experimental design and coding; Data analysis
- Work with Professor Jeremy Wolfe, Visual Attention Lab at Harvard University

**Honors and Awards**

"Academic Rising Star" in 2020 Undergraduates Psychology Forum	School of Psychological and Cognitive Sciences, Peking University	August, 2020
Selected as "Future Scholar" in Tsinghua Initiative Scientific Research Program	Youth League Committee of Tsinghua University	June 2020
Excellent Oral Presentation Award in 2019 Tsinghua Student Research Conference	Youth League Committee of Tsinghua University; Student Association for Science and Technology, Tsinghua University	December 2019
Excellent Poster Presentation Award in 2019 Tsinghua Student Research Conference	Youth League Committee of Tsinghua University; Student Association for Science and Technology, Tsinghua University	December 2019
Second Prize (in Beijing Division) in 2019 China Undergraduate Mathematical Contest in Modeling	China Society for Industrial And Applied Mathematics; Education Commission of Beijing	October 2019
Scholarship for Excellence in Scientific Innovation	Tsinghua University	October 2019
Scholarship for All-Round Excellence	Tsinghua University	October 2019
Scholarship for Undergraduate Overseas Studies	Tsinghua University	May 2019
Selected as Member of "Spark" Innovative Talent Cultivation Program	Tsinghua University	May 2019
Scholarship for Academic Excellence	Tsinghua University	October 2018
China National Scholarship	Ministry of Education of the P.R. China	October 2018
Excellent Group Award and Individual Award in the 16th Love for Our Alma Mater Activity	Tsinghua University	April 2018

**Leadership Experience**

- President of Student Association for Science and Technology, School of Social Sciences, Tsinghua University 05/2020 to date
- Member of Undergraduate Curriculum Advisory Committee, Tsinghua University 03/2020 to date
- Member of 4<sup>th</sup> Youth League Committee, School of Social Sciences, Tsinghua University 05/2019 to date
- Monitor of the Class 09/2018 to date
- Commissary in Charge of Publicity 09/2017 - 09/2018
- Header of the detachment in the 16th Love for Our Alma Mater Activity 12/2017 - 04/2018

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**Skills and Certificates**

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- Certificate of Completion in *Neural Networks and Deep Learning* (Coursera)
- Certificate of Successful Completion in Tsinghua Global South Culture Immersion Program (University of Nairobi)
- Certificate of Successful Completion in 2018 Summer English Language Studies (UC Berkeley)
- TOEFL: 102; GRE: Verbal 155, Quantitative 169, Analytical Writing 3.5
- Knowledge of programming with MATLAB, Python, R, and C language
- Knowledge of EEG, fMRI techniques