

# Han Zhang

POSTDOCTORAL RESEARCH FELLOW

Department of Psychology, University of Michigan

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## Research Interests

Attention; distraction; mind-wandering; eye movements

## Education

### University of Michigan

POSTDOCTORAL RESEARCH FELLOW, DEPARTMENT OF PSYCHOLOGY

- Advisor: Dr. John Jonides

Ann Arbor, MI, USA

05/2020-present

### University of Michigan

DOCTOR OF PHILOSOPHY, COMBINED PROGRAM IN EDUCATION AND PSYCHOLOGY

- Dissertation: Mind-wandering: What Can We Learn from Eye Movements?
- Advisors: Drs. Kevin Miller & Kai Cortina

Ann Arbor, MI, USA

09/2018-05/2020

### University of Michigan

MASTER OF SCIENCE, COMBINED PROGRAM IN EDUCATION AND PSYCHOLOGY

Ann Arbor, MI, USA

09/2014-05/2018

### Beijing Normal University

BACHELOR OF SCIENCE, PSYCHOLOGY

Beijing, China

09/2010-06/2014

## Awards and Grants

### Rackham One-Term Dissertation Fellowship (\$17417)

UNIVERSITY OF MICHIGAN

2019

### Rackham Graduate Student Research Grant (\$3000)

UNIVERSITY OF MICHIGAN

2019

### Rackham Conference Travel Grant (\$1050)

UNIVERSITY OF MICHIGAN

2019

### Rackham Summer Training Award (\$3700)

UNIVERSITY OF MICHIGAN

2018

### Rackham Conference Travel Grant (\$800)

UNIVERSITY OF MICHIGAN

2018

### Rackham Conference Travel Grant (\$800)

UNIVERSITY OF MICHIGAN

2017

### Professor & Mrs. Cho-Yee To Travel Grant (\$500)

UNIVERSITY OF MICHIGAN

2017

### Professor & Mrs. Cho-Yee To Travel Grant (\$500)

UNIVERSITY OF MICHIGAN

2015

### China National Scholarship (\$1500)

MINISTRY OF EDUCATION OF THE PEOPLE'S REPUBLIC OF CHINA

2014

### The First Rank Academic Scholarship (\$300)

BEIJING NORMAL UNIVERSITY

2014

### The First Rank Academic Scholarship (\$300)

BEIJING NORMAL UNIVERSITY

2013

### Beijing Student Research and Entrepreneurial Action Plan (\$1500)

BEIJING MUNICIPAL COMMISSION OF EDUCATION

2013

### Undergraduate Student Research Grant (\$280)

BEIJING NORMAL UNIVERSITY

2012

## Publications

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- Zhang, H., Miller, K. F., Sun, X., & Cortina, K. S. (2020).** Wandering eyes: Eye movements during mind wandering in video lectures. *Applied Cognitive Psychology*, 34(2), 449–464. <https://doi.org/10.1002/acp.3632>
- Zhang, H., Qu, C., Miller, K. F., & Cortina, K. S. (2020).** Missing the joke: Reduced rereading of garden-path jokes during mind-wandering. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46(4), 638–648. <https://doi.org/10.1037/xlm0000745>
- Zhang, H., Miller, K. F., Cleveland, R., & Cortina, K. S. (2018).** How listening to music affects reading: Evidence from eye tracking. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(11), 1778–1791. <https://doi.org/10.1037/xlm0000544>

## Manuscripts Under Review

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- Zhang, H., Anderson, N. C., & Miller, K. F. (2020).** *Follow the wandering mind: Scanpath patterns of mind-wandering during real-world scene perception.* <https://doi.org/10.31234/osf.io/ezaxc>

## Manuscripts In Preparation

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- Zhang, H., Anderson, N. C., & Miller, K. F. (2020).** *The role of scene meaning and saliency in guiding attention during mind-wandering.*
- Zhang, H., Miller, K. F., Cortina, K. S., & Jiang, T. (2020).** *Eye movements of mind-wandering in chinese college classrooms: A mobile eye tracking study.*
- Zhang, H., & Shah, P. (2020).** *What can your iPhone tell about your everyday cognitive functioning? An exploratory study using screen time.*

## Selected Presentations

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- Zhang, H., Anderson, N. C., & Miller, K. F. (2020, April).** *Scan-paths of mind-wandering during real-world scene perception.* **Graduate student research award.** The 92nd annual meeting of the midwestern psychological association (conference canceled due to covid-19), Chicago, IL, USA.
- Zhang, H., Qu, C., Miller, K. F., & Cortina, K. S. (2019, November).** *Reduced re-reading of garden-path jokes during mindless reading.* Poster presented at the 60th psychonomic society annual meeting, Montreal, Canada.
- Sun, X., Shah, P., & **Zhang, H.** (2019, June). *When do students suffer from mind wandering? The role of individual difference and learning context.* Poster presented at SARMAC XIII, Cape Cod, MA, USA.
- Zhang, H., Miller, K. F., Cortina, K. S., & Jiang, T. (2019, June).** *Mind-wandering in college classrooms: A mobile eye-tracking study.* Poster presented at SARMAC XIII, Cape Cod, MA, USA.
- Fischer, A., & **Zhang, H.** (2019, May). *Examining the effect of word predictability during mindless reading.* Poster presented at the association for psychological science annual meeting, Washington DC, USA.
- Hwang, Y.-G., **Zhang, H.**, & Miller, K. F. (2019, May). *Eye movements of mind-wandering during scene viewing: Insights from scan-paths.* Poster presented at the association for psychological science annual meeting, Washington DC, USA.
- Zhang, H., & Shah, P. (2019, May).** *What can iPhone's screen time tell about your cognitive functioning?* Poster presented at the association for psychological science annual meeting, Washington DC, USA.
- Zhang, H. (2019, April).** *Mind-wandering: What can we learn from eye-movements?* Talk presented at combined program in education and psychology brownbag, University of Michigan.
- Zhang, H., Miller, K. F., & Sun, X. (2019, March).** *Scan-paths of mind-wandering during video lectures.* Poster presented at the international convention of psychological science, Paris, France.
- Zhang, H., & Miller, K. F. (2018, November).** *How irrelevant speech affects reading: The role of word predictability.* Poster presented at the 59th psychonomic society annual meeting, New Orleans, LA, USA.
- Qu, C., & **Zhang, H. (2018, May).** *All joking aside: Mind-wandering impairs processing of garden-path jokes.* Poster presented at the association for psychological science annual meeting, San Francisco, CA.

- Zhang, H., Miller, K. F., & Sun, X.** (2018, May). *The wandering eyes: Mind-wandering during video lectures is associated with oculomotor behaviors*. Poster presented at the association for psychological science annual meeting, San Francisco, CA.
- Zhang, H., Miller, K. F., Cleveland, R., & Cortina, K. S.** (2016, May). *How listening to music affects reading: Evidence from eye tracking*. Poster presented at the association for psychological science annual meeting, Chicago, IL, USA.
- Zhang, H., & Cleveland, R.** (2016, March). *How does listening to music affect reading? An eye tracking study*. Talk presented at combined program in education and psychology brownbag, University of Michigan.

## Teaching Experience

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### PRIMARY INSTRUCTOR

#### **EDUC 391: Educational Psychology and Human Development**

09/2017 - 12/2017

COURSE DESIGN; WEEKLY LECTURES; GRADING ASSIGNMENTS AND EXAMS; OFFICE HOURS

### GRADUATE STUDENT INSTRUCTOR

#### **PSYCH 457 : Research in Educational and Cross-Cultural Settings**

01/2020 - 05/2020

GRADING STUDENT ESSAYS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

#### **PSYCH 457 : Research in Educational and Cross-Cultural Settings**

01/2019 - 04/2019

GRADING STUDENT ESSAYS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

#### **PSYCH 111: Introduction to Psychology**

01/2018 - 04/2018

THREE REVIEW SESSIONS PER WEEK; GRADING ASSIGNMENTS AND EXAMS; OFFICE HOURS

#### **PSYCH 457 : Research in Educational and Cross-Cultural Settings**

01/2017 - 04/2017

GRADING STUDENT ESSAYS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

#### **PSYCH 240: Intro to Cognitive Psychology**

09/2016 - 12/2016

THREE REVIEW SESSIONS PER WEEK; GRADING ASSIGNMENTS AND EXAMS; OFFICE HOURS

#### **PSYCH 457 : Research in Educational and Cross-Cultural Settings**

01/2016 - 04/2016

GRADING STUDENT ESSAYS; OFFICE HOURS; SUPERVISING STUDENT RESEARCH PROJECTS

### PROGRAM ASSISTANT

#### **Global Course Connection: Beijing Normal University**

05/2019

SUPERVISING JOINT RESEARCH PROJECTS BETWEEN US AND CHINESE STUDENTS; ORGANIZING STUDENT ACTIVITIES

#### **Global Course Connection: Beijing Normal University**

05/2017

SUPERVISING JOINT RESEARCH PROJECTS BETWEEN US AND CHINESE STUDENTS; ORGANIZING STUDENT ACTIVITIES

#### **Global Course Connection: Beijing Normal University**

05/2016

SUPERVISING JOINT RESEARCH PROJECTS BETWEEN US AND CHINESE STUDENTS; ORGANIZING STUDENT ACTIVITIES

#### **Global Course Connections: Beijing Normal University**

05/2015

SUPERVISING JOINT RESEARCH PROJECTS BETWEEN US AND CHINESE STUDENTS; ORGANIZING STUDENT ACTIVITIES

## References

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#### **John Jonides, Ph.D.**

[jjonides@umich.edu](mailto:jjonides@umich.edu); 734-764-0192

EDWARD E. SMITH PROFESSOR OF PSYCHOLOGY AND NEUROSCIENCE; CO-DIRECTOR, FUNCTIONAL MRI CENTER, UNIVERSITY OF MICHIGAN; SENIOR EDITOR, PSYCHOLOGICAL SCIENCE

#### **Kevin F. Miller, Ph.D.**

[kevinmil@umich.edu](mailto:kevinmil@umich.edu); 734-615-1800

PROFESSOR OF PSYCHOLOGY AND EDUCATION, UNIVERSITY OF MICHIGAN

#### **Priti Shah, Ph.D.**

[priti@umich.edu](mailto:priti@umich.edu); 734-615-3745

PROFESSOR OF COGNITION & COGNITIVE NEUROSCIENCE AND EDUCATIONAL PSYCHOLOGY, UNIVERSITY OF MICHIGAN

#### **Kai S. Cortina, Ph.D.**

[schnabel@umich.edu](mailto:schnabel@umich.edu); 734-615-3809

PROFESSOR OF PSYCHOLOGY, UNIVERSITY OF MICHIGAN