

Huiyuan Miao

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EDUCATION

- Vanderbilt University, the United States** 08/2018-Present
- Major: psychology
- University of Wisconsin-Madison, the United States** 09/2015-05/2018
- B.S. in statistics and psychology | GPA: 3.97/4.0

RESEARCH EXPERIENCE

- Graduate research trainee, Tong Lab, Vanderbilt University** 08/2018-Present
- Advisor: Frank Tong
 - Project: Investigating the guessing behavior in visual working memory tasks
 - Designed different iterations of the behavioral experiment and collected data from human subjects
 - Project: Perceiving object in noise
 - Designed different iterations of the EEG experiment and collected data from human subjects
 - Project: The effect of divided object-based attention on perceptual precision of faces and shapes
 - Designed different iterations of the behavioral experiment and collected data from human subjects
- Undergraduate Research Assistant, the Rokers Vision Lab, UW-Madison** 01/2016-05/2018
- Project: The relationship between subjective confidence and perceptual accuracy in three-dimensional motion direction perception
 - Recruited and conducted the experiment on over 100 human subjects
 - Helped develop different iterations of the experiment
 - Project: The relationship between adult observers' head motion and perceptual accuracy in three-dimensional motion direction perception
 - Performed data analysis using MATLAB

PUBLICATIONS

- Sy, J. L., Miao, H. Y., Marois, R., & Tong, F. (2021). Conscious perception can be both graded and discrete. *Journal of experimental psychology. General*.
- Fulvio, J.M., Miao, H. & Rokers, B. (2021). Head jitter enhances 3D motion perception. *Journal of Vision*.

LEADERSHIP EXPERIENCE

- Vice President of Outgoing-Exchange Department, AIESEC (WEIHAI), China** 06/2014-02/2015
- Arranged the work schedule for a team of 9 students
 - Managed the service quality of the department by providing monthly training. In the monthly surveys of service quality, the average score of the department was 85/100
 - Sent ten exchange participants abroad for volunteer work
 - Ensured there would be at least three returnees for every AIESEC activity

Volunteer, GRACE NGO, India

08/2014-09/2014

- Worked as a teaching assistant in Camila Learning Center in Bangalore

WORK EXPERIENCE

Tutor, Undergraduate Learning Center (ULC), College of Engineering, UW-Madison

01/2017-05/2018

- Provided statistics consultation during the drop-in time in ULC
- Provided one-on-one statistics tutoring
- Tutored the Introductory MATLAB course

AWARDS AND SCHOLARSHIPS

Harold Stirling Vanderbilt Award

08/2021-08/2023

University Graduate Fellowship

08/2018-08/2021

Bryan's Aspiring Psychology Student Award

07/2016

Psychology department's Undergraduate Research Scholar Awards

04/2016

TECHNICAL SKILLS

Computer Skills

- OS: Mac OS, Windows
- Languages: MATLAB, R, Python, JAVA