

Yuchao Wang

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EDUCATION

Haverford College, PA

2016 - 2019

B.A. in Cognitive Science, GPA: 3.98/4.0

- Senior Thesis: Neural Correlates of Aesthetic Engagement with Literature.

RESEARCH EXPERIENCE

Penn Center for Neuroaesthetics, University of Pennsylvania

May - Dec. 2019

Research Student (Thesis) advised by Franziska Hartung, PhD and Anjan Chatterjee, MD

- Operationalized *literariness* and *emotional arousal* in Dutch literature-listening.
- Designed norming surveys in Qualtrics and built pipelines in R and MATLAB to analyze 3T fMRI data.

Biophysics Lab, Haverford College

May - Aug. 2018

Research Assistant to Suzanne Amador Kane, PhD

- Built and improved setups of reflectance spectroscopy and multi-spectral imaging, and validated methods.
- Debugged and analyzed multi-spectral photos using ImageJ and custom MATLAB program.

PUBLICATION

Kane, S. A., **Wang, Y.**, Fang, R., Lu, Y., & Dakin, R. (2019). How conspicuous are peacock eyespots and other colorful feathers in the eyes of mammalian predators? *PLOS ONE*. DOI: 10.1371/journal.pone.0210924

CONFERENCES

Wang, Y., Hartung, F., Marloes, M., Willems, R., Chatterjee, A. (*in preparation*, 3/2020). Neural Correlates of Aesthetic Engagement with Literature. Annual Meeting of the Cognitive Neuroscience Society, Boston, MA, USA.

Kane, S. A., **Wang, Y.**, Fang, R., Lu, Y., Dakin, R. (1/2020). How conspicuous are peacock eyespots and other colorful feathers in the eyes of mammalian predators? Annual Meeting of the Society for Integrative and Comparative Biology, Austin, TX, USA.

Wang, Y. (8/2017). Self-Formation: A Philosophical Perspective on the Reconciliation Process at Peace Museums in Japan and China. Asia-Pacific Peace Research Association Conference, Penang, Malaysia.

Yang, S., **Wang, Y.** (4/2017). The Diaries of John Rabe Witnessing the Nanjing Massacre. 9th International Conference of Museums for Peace, Belfast, Northern Ireland.

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

Children's Hospital of Philadelphia, Pain Relief, and Excel Physical Therapy

Summers 2018-19

Observer

- Shadowed PTs assessing and treating patients with TBIs, brain tumors, and other neuromuscular symptoms in clinical settings for over 100 hours.

Pre-Health Society, Haverford College

May 2018 - Present

Co-President, Treasurer

- Organized workshops, info sessions, and field trips helping students find their niche in broader healthcare fields.

John Rabe House, Nanjing University

Dec. 2014 - Aug. 2017

Volunteer Intern

- Led tours in English and Chinese for visitors, and independently studied philosophy of peace and conflict reconciliation.

AWARDS AND FUNDING

KINSC Summer Scholar, 2019, Haverford College

Phi Beta Kappa, 2019

Louis Green Fund, 2017, Haverford College

SKILLS

R/RStudio, MATLAB, SPM, Bash, EEG/ERP methods, E-Prime, Praat, ImageJ, Jekyll, L^AT_EX.