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EDUCATION

National University of Singapore	Aug 2025 –
Doctor of Philosophy	Singapore
National University of Singapore	Aug 2024 – Jan 2026
Master of Social Sciences (by Research)	Singapore
<i>Thesis Advisor:</i> Dr. DongWon OH	
University of Macau	Sep 2020 – Jun 2024
Bachelor of Social Sciences in Psychology	Macau

RESEARCH INTEREST

social perception, person perception, affective neuroscience, computational modeling

AWARDS & FELLOWSHIP

Department Travel Fund (S\$500)	Apr 2026
<i>National University of Singapore</i>	
Department Travel Fund (S\$2,200)	Feb 2026
<i>National University of Singapore</i>	
NUS Research Scholarship (S\$36,000+, tuitions and fees)	Aug 2025 – Jul 2026
<i>National University of Singapore</i>	
Graduate Research Support Scheme (S\$1,500)	Mar 2025
<i>National University of Singapore</i>	
Dean's Honour List	Jun 2023
<i>University of Macau</i>	Feb 2023
	Jun 2022
	Feb 2022
	Jun 2021
Smart Points Sponsorship for Exchanging (MOP 11,000)	Mar 2023
<i>University of Macau</i>	
Academic Excellence Outgoing Exchange Scholarship (MOP 11,000)	Dec 2022
<i>University of Macau</i>	
Residential College Foundation Scholarship (MOP 5,000)	Nov 2022
<i>University of Macau</i>	

PUBLICATION

Wang, R., Yu, R., Tian, Y., & Wu, H. (2022). Individual variation in the neurophysiological representation of negative emotions in virtual reality is shaped by sociability. *NeuroImage*, 263, 119596, <https://doi.org/10.1016/j.neuroimage.2022.119596>

PREPRINTS AND MANUSCRIPTS UNDER REVIEW

Yu, R., Ao-Ieong, W. I., Wang, R., Wu, H., & Wu, H. *Social anxiety, Mentalizing and Social Distance Preference: A Preliminary Psychometric Evaluation.*

Yu, R., Liaw, G., Palmer, C. J., & Oh, D. *Spontaneous Head Movements to Faces Encode Social Judgment.*

Wang, R., Yu, R., Wu, H. *Neural Computation of Personal Space and Its Influence on Dynamic Social Navigation.*

INVITED TALKS AND CONFERENCE PRESENTATION

Yu, R., Liaw, G., Palmer, C. J., & Oh, D. *Spontaneous Bodily Reactions to Faces Encode Social Judgment.* [Single-Presenter talk], Association for Psychological Science annual convention, Barcelona, Spain. **May 2026**

Yu, R., Shi, Y., Liaw, G., Palmer, C. J., & Oh, D. *Beyond conscious judgment: Continuous social evaluation shapes posture and spatial behavior.* [Poster], Society for Personality and Social Psychology annual convention, Chicago, IL **Feb 2026**

TECHNICAL SKILLS

PROGRAMMING	Python (deep learning, data analysis, data visualization) R (data analysis, data visualization) MATLAB (EEGLAB, ERPLAB, data visualization, data analysis) C sharp
DATA ACQUISITION	Electroencephalogram (EEG) Eye-tracking fMRI
QUANTATIVE SKILLS	Transcranial direct current stimulation (tDCS) Data driven modeling; Multivariate analysis (regularized regression with cross-validation representational similarity analysis, generalized linear mixed model, mediation analysis, structural equation modeling); Nonparametric methods (permutation tests, bootstrap resampling)

RESEARCH EXPERIENCE

Spontaneous bodily reactions to faces encode social judgment **Aug 2024 – Jul 2025**

- Lead author of the paper.
- The project investigates the social evaluation information reflected in spontaneous bodily reactions during social

perception and interaction.

- Modeled implicit face-based social perception processed embedded in spontaneous bodily reactions to faces, such as head movements reactions.
- Utilized other dynamic reactions to faces, such as pupil size, eye-gaze trajectory, fixation duration, fixation frequency, and eye movement speed, were utilized to build implicit face-based social perception models.

Social anxiety, mentalizing and social distances: A Preliminary Psychometric and Behavioral Evaluation

May 2023 – Jun 2026

- Lead author of the paper.
- Explored the relationships between individual social psychological traits and interactive preferences.
- Investigated the relationship between interactive mentalization capability and behavioral responses (distance preference choice).
- Identified characteristics of interactive mentalization in social exclusion situations, including the variation degree and accuracy of mentalizing others' mental states.

Neural computation of personal space and its influence on dynamic social navigation

Since Mar 2022

- Co-author of the paper.
- Exploring differences in the efficiency of social interaction for learning others' social preferences and their brain region responses between individuals with anxiety traits and the general population.
- Developing psychological measurement tools, conducting behavioral experiments in interpersonal spaces, and creating social exclusion environments.

The multi-modal representation of negative emotional experience under virtual reality

Aug 2021 – Aug 2022

- Second author of the publication.
- Revealed common neurophysiological responses to negative emotional experiences in virtual reality.
- Examined the relationship between individual differences in mentalizing ability, trait empathy, and the neurophysiological representation of negative emotional experiences.

REFeree

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