

Basic Info

NAME: Wenhao Qi
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 La Jolla, CA 92093
 WEBPAGE: jameswhqi.github.io
 RESEARCH INTERESTS: Computational cognitive science, computational social psychology,
 concept learning, program induction

Education

SEPT. 2019 – DEC. 2024 [†]	Ph.D. in Psychology, University of California, San Diego La Jolla, California, USA Advisors: Ed Vul (Years 1–3), Lindsey Powell (Year 4–)	[†] Expected
SEPT. 2015 – JULY 2019	B.Eng. in Automation, Tsinghua University Beijing, China	

Honors

MAY 2023	One of 7 students nominated by UCSD for the selection of Schmidt Science Fellows 2024
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Publications

Qi, W., Vul, E., & Powell, L. J. (under review). An accurate and efficient measure of welfare tradeoff ratios. *PLOS ONE*. (<https://osf.io/yn8e5>)

Qi, W., Vul, E., Schachner, A., & Powell, L. J. (2022). Triadic conflict “primitives” can be reduced to welfare trade-off ratios. *Behavioral and Brain Sciences*, 45, e117.

Qi, W. & Vul, E. (2022). The evolution of theory of mind on welfare tradeoff ratios. *Evolution and Human Behavior*, 43(5), 381–393.

Qi, W. & Vul, E. (2020, 7). Adaptive behavior in variable games requires theory of mind. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*. Cognitive Science Society.

Presentations

JULY 2024	Concept learning as coarse-to-fine probabilistic program induction <i>CogSci 2024 poster</i>
MAY 2024	Concept learning as coarse-to-fine probabilistic program induction <i>Cognitive Brown Bag, Department of Psychology, UCSD</i>
JULY 2023	The evolution of reciprocity based on welfare tradeoff ratios in games with asymmetric information <i>CogSci 2023 poster</i>
JULY 2022	Studying the long-term dynamics of reciprocity based on welfare tradeoff ratios <i>CogSci 2022 poster</i>

DEC. 2020 | The evolution of theory of mind
Cognitive Brown Bag, Department of Psychology, UCSD

Mentorship

FEB. 2022 – | Boyu Wang
JUNE 2023 | Honors thesis student, Psychology & Mathematics

OCT. 2021 – | Jiayuan Fu
SEPT. 2023 | Undergraduate research assistant, Mathematics & Computer Science

Selected TAship

FALL 2020 & FALL 2021 | PSYC 201A, Graduate-level statistics I, Instructor: Ed Vul
WINTER 2021 | PSYC 201B, Graduate-level statistics II, Instructor: Ed Vul
SPRING 2024 | PSYC 105, Cognitive Psychology, Instructor: Angela Lowe

Academic Services

SEPT. 2023 | Paper review for *iScience*

FEB. 2023 | Paper review for CogSci 2023 (1 paper)

MAR. 2021 | Paper review for CogSci 2021 (3 papers)

OCT. 2020 | Paper review for *Journal of Experimental Psychology: General*
(with Ed Vul & Erik Brockbank)

Skills

- Programming in Haskell, PureScript, Elm, TypeScript, Python, R, Stan, Julia, Lua, Bash, etc.
- Typesetting with L^AT_EX, ConT_EXt; creating figures with TikZ, PGFPLOTS, MetaPost