

ryan w carlson

Kirtland Hall, 2 Hillhouse Ave.

New Haven, CT, USA

ryan.carlson@yale.edu

carlsonr.com

education

- 2020-present **Yale University**, New Haven, CT, USA
PhD in Psychology (expected 2023)
Advisor: Molly Crockett
- 2017-2020 **Yale University**, New Haven, CT, USA
MSc (2019) & MPhil (2020) in Psychology
Advisor: Molly Crockett
- 2010-2014 **Simon Fraser University**, Burnaby, BC, Canada
BA (Hons.) in Psychology
Advisors: Lara Aknin & Mario Liotti

post-bac training

- 2015-2017 **Stanford Social Neuroscience Lab** (Advisor: Jamil Zaki)
Stanford University, Stanford, CA, USA
Full-time Research Coordinator

awards

- 2022 Frederick W. Hilles Memorial Scholarship, *Yale University*
- 2022 Conference Travel Fellowship, *Yale University*
- 2021 Richter Summer Fellowship, *Yale University*
- 2021 Teaching Innovation Project Grant, *Yale University*
- 2019 Fellow, *Kavli Summer Institute in Cognitive Neuroscience*
- 2017 Graduate Fellowship, *Yale University*
- 2016 Innovation Grant, *Stanford Center for Cognitive and Neurobiological Imaging*
- 2015 Travel Grant, *National Science Foundation*
- 2014 VPR Sciences Undergraduate Research Award, *Simon Fraser University*
- 2013 Undergraduate Open Scholarship, *Simon Fraser University*
- 2013 One World Scholarship, *Irving K Barber BC Scholarship Society*
- 2013 International Mobility Award, *Simon Fraser University*

publications

- ***Carlson, R. W.**, *Bigman, Y. E., Gray, K., Ferguson, M. J., & Crockett, M. J. (in press). How inferred motives shape moral judgments. *Nature Reviews Psychology*.
- Weisz, E., Ong, D. C., **Carlson, R. W.**, Clark, M. D., & Zaki, J. (in press). A brief intervention to motivate empathy among middle school students. *Journal of Experimental Psychology: General*.
- Carlson, R. W.**, Adkins, C., Crockett, M. J., & Clark, M. S. (2022). Psychological selfishness. *Perspectives on Psychological Science*.
- Melnikoff, D. E., **Carlson, R. W.**, & Stillman, P. E. (2022). A computational theory of the subjective experience of flow. *Nature Communications*.
- Carlson, R. W.**, & Zaki, J. (2021). Belief in altruistic motives predicts prosocial actions and inferences. *Psychological Reports*.
- Weisz, E., Ong, D. C., **Carlson, R. W.**, & Zaki, J. (2021). Building empathy through motivation-based interventions. *Emotion*, 21(5), 990–999.
- Carlson, R. W.**, Marechal, M., Oud, B., Fehr, E., & Crockett, M. J. (2020). Motivated misremembering of selfish decisions. *Nature Communications*. 11(1), 1-11.
- Carlson, R. W.**, & Crockett, M. J. (2018). The lateral prefrontal cortex and moral goal pursuit. *Current Opinion in Psychology*, 24, 77-82
- Carlson, R. W.**, & Zaki, J. (2018). Good deeds gone bad: Lay theories of altruism and selfishness. *Journal of Experimental Social Psychology*, 75, 36-40.
- Morelli, S. A., Leong, Y. C., **Carlson, R. W.**, Kullar, M., & Zaki, J. (2018). Neural detection of socially valued community members. *PNAS*, 115(32), 8149-8154.
- Carlson, R. W.**, Aknin, L. B., & Liotti, M. (2016). When is giving an impulse? An ERP investigation of intuitive prosocial behavior. *Social Cognitive and Affective Neuroscience*, 11(7), 1121-1129.

book chapters

- Melnikoff, D. E., **Carlson, R. W.**, & Stillman, P. E. (in press). The structure of immersive and engaging activities: Insights from a computational model of flow. In A. Kruglanski, A. Fishbach, & K. Copetz (Eds.), *Goal Systems Theory: Psychological Processes and Applications*. New York: Oxford University Press.

in prep manuscripts

- Carlson, R. W.**, Zoh, Y., Morris, A., & Crockett, M. J. (in prep). Modelling precision and bias in introspection.
- Carlson, R. W.**, & Crockett, M. J. (in prep). The pitfalls of play-to-play morality.

Adkins, C., **Carlson, R. W.**, Crockett, M. J., & Clark, M. S. (submitted). The selfishness of desires.

Davis, I., **Carlson, R. W.**, Dunham, Y., & Jara-Ettinger, J. (in prep). Detecting potential social partners from indirect prosociality: A computational account.

Kealoha, C., Chituc, V., **Carlson, R. W.**, & Crockett, M. J. (in prep). Altruism dominates selfishness in spontaneous inferences about public moral displays

oral presentations and invited talks

Carlson, R. W. (Jul, 2022). The pitfalls of pay-to-play morality. Talk presented at Society for Philosophy and Psychology (SPP) annual meeting, Milan, Italy.

Carlson, R. W. (Apr, 2022). Motivated misremembering and the subjective side of morality. Talk presented at Cushman/Greene Lab Meeting at Harvard University.

Carlson, R. W. (Apr, 2021). The precision and partiality of motive introspection. Talk presented at Rutledge Lab Meeting at Yale University.

Carlson, R. W. (Feb, 2021). The role of self-inference in prosocial behavior. Talk presented virtually at the Society for Personality and Social Psychology (SPSP) annual meeting.

Carlson, R. W. (Feb, 2021). A theory of psychological selfishness. Talk presented at Clark-Bargh Lab Meeting at Yale University.

Carlson, R. W. (Dec, 2019). Self-inferences of motives. Talk presented at Turk-Browne Lab Meeting at Yale University.

Carlson, R. W. (Feb, 2019). Selfish decisions are more generous in hindsight. Talk presented at the Judgment and Decision-Making Preconference for the Society for Personality and Social Psychology (SPSP) annual meeting, Portland, OR.

Carlson, R. W. (Feb, 2019). Psychological selfishness. Talk presented at Knobe Lab Meeting at Yale University.

Carlson, R. W. (Nov, 2018). The psychology of selfishness. Talk presented at Jara-Ettinger Lab Meeting at Yale University.

Carlson, R. W. (Apr, 2018). Mechanisms of motivated memory. Talk presented at Jara-Ettinger Lab Meeting at Yale University.

poster presentations

Carlson, R. W., & Crockett, M. J. (Feb, 2022). The pitfalls of pay-to-play morality. Poster to be presented virtually at the Society for Personality and Social Psychology (SPSP) annual meeting.

Adkins, C., **Carlson, R. W.**, Crockett, M. J., & Clark, M. S. (Feb, 2022). The selfishness of desires. Poster to be presented virtually at the Society for Personality and Social Psychology (SPSP) annual meeting.

- Davis, I., **Carlson, R. W.**, Dunham, Y., & Jara-Ettinger, J. (July, 2021). Reasoning about social preferences with uncertain beliefs. Talk presented virtually at the Cognitive Science Society Annual Meeting.
- Carlson, R. W.**, Yu, H., & Crockett, M. J. (Oct, 2020). Bridging self-report and choice modelling to investigate the accuracy of self-inferred preferences. Poster presented virtually at the Society for Neuroeconomics Annual Meeting.
- Carlson, R. W.**, Yu, H., & Crockett, M. J. (July, 2020). Self-inferred desires to benefit self and other. Poster presented virtually at the Cognitive Science Society Annual Meeting.
- Morelli, S.A., Leong, Y.C., **Carlson, R. W.**, Kullar, M. & Zaki, J. (Mar, 2018) Neural detection of socially valued community members. Talk presented at the International Conference on Complex Networks, Cambridge, UK.
- Carlson, R. W.**, Oud, B., Marechal, M., Fehr, E., & Crockett, M. J. (Mar, 2018). Selfish decisions are more generous in hindsight. Poster presented at the Emotion Preconference for SPSP, Atlanta, GA.
- Leong, Y.C., Morelli, S.A., **Carlson, R. W.**, Kullar, M. & Zaki, J. (Mar, 2017) Neural prediction of social support hubs in emerging social networks. Poster presented at the Social Affective Neuroscience Society annual meeting (SANS), Los Angeles, CA.
- Carlson, R. W.**, & Zaki, J. (Jan, 2017). Believing in true altruism amplifies prosocial tendencies. Poster presented at the Emotion Preconference for SPSP, San Antonio, TX.
- Kullar, M., Morelli, S. A., **Carlson, R. W.**, & Zaki, J. (Jan, 2017). Neural representation of popularity and closeness in social networks differs depending on context. Poster presented at SPSP, San Antonio, TX.
- Carlson, R. W.**, Morelli, S. A., Kullar, M., & Zaki, J. (Apr, 2016). Social network dynamics shape neural sensitivity to vicarious reward. Poster presented at SANS, New York, NY.
- Kullar, M., Morelli, S. A., **Carlson, R. W.**, & Zaki, J. (Apr, 2016). Neural systems that track social perceptions of network members. Poster presented at SANS, New York, NY.
- Carlson, R. W.**, Burnett A. J., & Liotti, M. (Jan, 2016). Sacrificing time for others during an unpleasant experience supports well-being. Poster presented at the Emotion Preconference for SPSP, San Diego, CA.
- Burnett A. J., **Carlson, R. W.**, & Liotti, M. (Jan, 2016). "Would partisans do well in the imitation game?": Moral turing tests promote ideological depolarization. Poster presented at the Judgment and Decision-Making Preconference for SPSP, San Diego, CA.
- Carlson, R. W.**, Liotti, M. & Aknin, L. B. (Nov, 2014). Spatiotemporal neural dynamics of intuitive prosociality. Poster presented at the Society for Social Neuroscience annual meeting, Washington, DC.

teaching experience

2021-present **StatLab Consultant, Yale University**

Teaching Fellow, Yale University

2020 PSYC 200: *Statistics for Psychological Science* (A. Bailey)
 2019 PSYC 376: *Learning and Memory* (T. Brown)
 2019 PSYC 303: *Social Neuroscience* (M. Crockett)
 2018 PSYC 141: *Abnormal Psychology* (A. Baskin-Sommers)

Teaching Assistant, Simon Fraser University

2015 PSYC 201: *Research Methods in Psychology* (G. Alder)
 2014 PSYC 201: *Research Methods in Psychology* (G. Rose)
 2014 PSYC 201: *Research Methods in Psychology* (G. Alder)

service

2021-present **Sneak Peek Mentor, Yale Psychology Sneak Peek Program**
 Advise psychology PhD program applicants from underrepresented backgrounds in planning and preparing their applications.

2020-present **Peer Mentor, Gathertown Architect, Yale Diversity Committee**
 Support first year psychology graduate students in navigating the challenges of the first year of graduate school. Assist with the Diversity Committee's virtual social events.

2020 **Co-organizer, Speaker, Yale Psychology's Town Hall on Structural Inequality, Racial Prejudice, and Allyship**
 Co-organized Yale Psychology's inaugural town hall on structural inequality, prejudice and allyship. Conducted and presented archival research on scientific racism and issues of faculty diversity at Yale.

2019-present **Graduate Affiliate, Mellon Forum Mentor, Trumbull College, Yale University**
 Mentor Yale undergraduates in preparation for their senior thesis talks. Coordinate social events geared at promoting student well-being.

2018-2020 **Psychology Representative, Yale Graduate Student Assembly (GSA)**
 Served as an elected rep for psychology graduate students in Yale GSA. Organized townhalls and meetings to engage with student needs and concerns. Worked with other reps and department leadership to establish multiple departmental committees, including a Committee on Racial Equity and Justice (CREJ)—a rotating team of faculty, staff and students tasked with promoting racial justice at Yale.

2018-2019 **Interview Weekend Coordinator (Social Area), Yale Psychology**
 Coordinated Yale Psychology's interview weekend for prospective students in 2018 and 2019. Worked with faculty, staff, and students to organize and execute student interview schedules, and coordinated social events.

2013-2015 **Founder, Editor-in-Chief, SFU Undergraduate Journal of Psychology**
 Launched an undergraduate journal for independent student research. Built the inaugural team of undergraduate editors, graduate reviewers, and faculty advisors. Developed protocols and a peer-review process. Secured funding, promotion efforts, maintained web content and submissions, and edited the journal's inaugural issue.

professional workshops

Organizer / Instructor

2022	StatLab Data Visualization Workshop
2022	StatLab Data Wrangling Workshop
2021	Crockett Lab Summer R Refresher
2020	Crockett Lab Summer R Workshop

Participant

2019	Kavli Summer Institute in Cognitive Neuroscience
2018	Intel Hackathon for Computational Neuroscience
2017	Stanford Center for Reproducible Neuroscience Better Science Workshop
2016	Berkeley Institute for Data Science Nilearn Course
2016	Stanford Neurosciences Institute Advanced R Workshop
2015	Stanford Computational Social Science R Workshop
2015	Chicago Neuroimaging Workshop

languages

R, Python, MATLAB, JavaScript, HTML, CSS

ad-hoc reviewing

Neuroscience:

NeuroImage, Journal of Neuroscience, Biological Psychology, Journal of Neurophysiology

Psychology:

Journal of Experimental Psychology: General, Journal of Experimental Social Psychology, European Journal of Social Psychology, Social Psychology, Asian Journal of Social Psychology