

ryan w carlson

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education

- 2020-present **Yale University**, New Haven, CT, USA
Ph.D. in Psychology (expected May 2023)
Advisor: Molly Crockett
- 2017-2020 **Yale University**, New Haven, CT, USA
M.S. (2019) & M.Phil. (2020) in Psychology
Advisor: Molly Crockett
- 2010-2014 **Simon Fraser University**, Burnaby, BC, Canada
B.A. (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. (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.
- 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.

preprints / in prep papers

- Carlson, R. W.**, Zoh, Y., Morris, A., & Crockett, M. J. (in prep). Modelling precision and bias in motive introspection.
- Carlson, R. W.**, & Crockett, M. J. (in prep). The pitfalls of play-to-play morality.
- Davis, I., **Carlson, R. W.**, Dunham, Y., & Jara-Ettinger, J. (in prep). Detecting potential social partners from indirect prosociality: A computational account.
- Adkins, C., **Carlson, R. W.**, Crockett, M. J., & Clark, M. S. (in prep). Desires are sufficient for perceiving selfishness.
- Morris, A., **Carlson, R. W.**, & Kober, H., & Crockett, M. J. (in prep). Introspection into multi-attribute choice processes.
- 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.** (Nov, 2022). Modelling motive introspection. Talk to be presented at Concepts & Cognition Lab Meeting (PI: Tania Lombrozo) at Princeton University.
- Carlson, R. W.** (Nov, 2022). Modelling motive introspection. Talk to be presented at Morality Lab Meeting (PI: Liane Young) at Boston College.
- 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-inference. 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

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| 2021-present | StatLab Consultant , <i>Marx Science & Social Science Library, Yale University</i> |
| | Head Teaching Fellow , <i>Department of Psychology, Yale University</i> |
| 2022 | PSYC 315: <i>The Modern Unconscious</i> (J. Bargh) |
| | Teaching Fellow , <i>Department of Psychology, Yale University</i> |
| 2020 | PSYC 200: <i>Statistics for Psychological Science</i> (A. Bailey) |
| 2019 | PSYC 376: <i>Learning and Memory</i> (T. Brown) |
| 2019 | PSYC 303: <i>Social Neuroscience</i> (M. Crockett) |
| 2018 | PSYC 141: <i>Abnormal Psychology</i> (A. Baskin-Sommers) |
| | Teaching Assistant , <i>Department of Psychology, Simon Fraser University</i> |
| 2015 | PSYC 201: <i>Research Methods in Psychology</i> (G. Alder) |
| 2014 | PSYC 201: <i>Research Methods in Psychology</i> (G. Rose) |
| 2014 | PSYC 201: <i>Research Methods in Psychology</i> (G. Alder) |

service

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| 2021-present | Sneak Peek Mentor , <i>Yale Psychology Sneak Peek Program</i> |
| 2020-present | Peer Mentor, Member , <i>Yale Diversity Committee</i> |
| 2020 | Co-organizer, Speaker , <i>Yale Psychology's Town Hall on Structural Inequality, Racial Prejudice, and Allyship</i> |
| 2019-present | Graduate Affiliate, Mellon Forum Mentor , <i>Trumbull College, Yale University</i> |
| 2018-2020 | Psychology Representative , <i>Yale Graduate Student Assembly (GSA)</i> |
| 2018-2019 | Interview Weekend Coordinator (Social Area) , <i>Yale Psychology</i> |
| 2016 | Programming Assistant , <i>SPSP Emotion Preconference</i> |
| 2013-2015 | Founder, Editor-in-Chief , <i>SFU Undergraduate Journal of Psychology</i> |

mentorship

Research Assistants

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| 2017 | Julia Hu (then: Yale College, now: User Research, Sonos Inc.) |
| 2019 | Cameron Martel (then: Yale College, now: PhD student at MIT Sloan) |
| 2020 | Paul McKee (then: Connecticut State University, now: PhD student at Duke) |
| 2020 | Cameron Berg (then: Yale College, now: AI Resident at Meta) |
| 2020-2022 | Caleb Kealoha (then: Yale lab manager, now: PhD student at Harvard Business School) |
| 2020-2022 | Mina Caraccio (Yale College) |

Yale College Mellon Forum Mentees

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| 2019 | Jasmyne Pierre (then: Yale College, now: Instructor, iCAMP)) |
| 2020 | Illyda Orhan (then: Yale College, now: PhD student at NYU) |

Yale Psychology Sneak Peak Program Mentees

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| 2021 | Micaela Rodriguez (then: Stony Brook University, now: PhD student at UNC Chapel Hill) |
| 2022 | Savannah Gregory (University of Notre Dame) |

professional workshops

Organizer / Instructor

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

Participant

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| 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

Biological Psychology, European Journal of Social Psychology, Journal of Experimental Psychology: General, Journal of Experimental Social Psychology, Journal of Neurophysiology, Journal of Neuroscience, NeuroImage, Organizational Behavior and Human Decision Processes, Social Psychology

references

Molly Crockett, Ph.D., Associate Professor, Princeton University
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Jamil Zaki, Ph.D., Associate Professor, Stanford University
jzaki@stanford.edu

Margaret Clark, Ph.D., Professor, Yale University
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