

# Tyler Adkins

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## Summary

PhD candidate in cognitive neuroscience with 6+ years of experience conducting quantitative research on human behavior. Actively seeking positions in data science and user research so I can apply my domain knowledge and technical skills to the development of cutting-edge technologies.

## Skills

Python (pandas, numpy, sklearn), R (ggplot, dplyr, brms, rstan), Stan, Git, Bash, SQL, experimental design, data cleaning, data visualization, Bayesian statistics, machine learning, project management, quantitative reasoning, scientific writing, public speaking, teaching, mentoring, problem-solving

## Employment

9/2017 – Present      Graduate Student Researcher      University of Michigan      Ann Arbor, MI

Cleaned and visualized complex datasets, programmed computational models of behavioral data and machine learning models of brain images, collaborated with diverse teams of scientists on many research projects, reported research findings in reputable journals and conferences, mentored colleagues in data analysis.

1/2018 – 4/2020      Graduate Student Instructor      University of Michigan      Ann Arbor, MI

Created educational materials and assessments for instructors and students in large lecture courses, provided instruction and tutoring to students in multiple discussion sections, graded written assignments and quizzes

9/2015 – 9/2017      Research Assistant      University of Michigan      Ann Arbor, MI

Configured eye-tracking hardware and software, implemented econometric models of movement planning.

## Education

9/2017 – Present      Ph.D. in Psychology (CCN)      University of Michigan      Ann Arbor, MI

1/2015 – 9/2017      B.A. in Cog. Sci. & Philosophy      University of Michigan      Ann Arbor, MI

## Awards

2021      Swets Memorial Award for Psych. (\$25k)  
2019      NSF GRFP (honorable mention)  
2018      Scholarship in Math. Psych. (\$3k)  
2017      Rackham Merit Fellowship (\$100k)  
2016      Phi Kappa Phi  
2016      LSA Internship Scholarship (\$1.5k)  
2015      Sweeney Merit Scholarship (\$3k)  
2014      Dewey J. Hoitenga Essay Prize

## Service

2021      Departmental Associate  
2020      CCN Forum Committee  
2020      CCN Admissions Committee  
2019      CCN Social Committee  
2018      CCN Recruitment Committee

## Research Projects

Reward modulates cortical representations of action

<https://doi.org/10.1016/j.neuroimage.2020.117708>

Heuristics contribute to sensorimotor decisions under risk

<https://doi.org/10.3758/s13423-021-01986-x>

Interactive effects of value and valence on skilled action

<https://www.nature.com/articles/s41598-021-88286-5>

Rewards interact with explicit knowledge in skilled action

<https://journals.physiology.org/doi/abs/10.1152/jn.00575.2019>

Reward accelerates goal preparation under conflict

<https://psyarxiv.com/hv9mz/>

How well did people forecast the spread of COVID-19?

<https://psyarxiv.com/2d5r9/>

Icon arrays reduce vaccine hesitancy

<https://psyarxiv.com/dcx8p/>

Reward influences the allocation of working memory resources

<https://www.biorxiv.org/content/10.1101/2021.06.08.447414v1>