

Tyler Adkins

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Summary

Computational cognitive neuroscientist with 6 years of experience designing experiments and analyzing data.

Skills

Bayesian data analysis, experimental design, mathematical modeling, data visualization, machine learning, simulation, image processing, formal reasoning, scientific writing, public speaking, literature review, teaching

Tools

R, Python, Stan, JavaScript, Git, Bash, AWS, LaTeX, Illustrator, SQL, MATLAB, C++, HTML

Employment

9/2017 – Present University of Michigan Graduate Research Fellow Ann Arbor, MI

Designed psychophysical experiments, preprocessed large high-dimensional datasets, built parametric and nonparametric statistical models, collaborated with teams of scientists on interdisciplinary research projects, reported research findings in reputable journals and conferences, mentored colleagues on data analysis.

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

Configured hardware and software for eye-tracking systems, implemented econometric models of decision-making.

Education

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

1/2015 – 9/2017 University of Michigan B.A. in Cognitive Science Ann Arbor, MI

Awards

2021 Swets Award for Psych. Science (\$25k)
2020 NSF RAPID grant (\$200k)
2019 NSF GRFP (honorable mention)
2018 Scholarship in Math. Psych. (\$3k)
2017 Rackham Merit Fellowship (\$100k)
2016 Phi Kappa Phi
2015 Sweeney Merit Scholarship (\$3k)

Service

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

Publications

Adkins and Lee (2021) *Neuroimage* [\[DOI\]](#)
Adkins, Lewis, and Lee (2021) *Psych. Bulletin & Review* [\[DOI\]](#)
Adkins, Gary, and Lee (2021) *Nature Scientific Reports* [\[DOI\]](#)
Anderson, **Adkins**, and Lee (2020) *J. Neurophysiology* [\[DOI\]](#)
Fansher, **Adkins**, and Shah (in press) *JEP: Applied*
Adkins and Lee (in review) *Psych. Bulletin & Review* [\[DOI\]](#)
Fansher, **Adkins***, et al. (in review) *Memory and Cognit.* [\[DOI\]](#)
Fansher, **Adkins***, et al. (in review) *Cognit. Research: P&I* [\[DOI\]](#)
Brissenden, **Adkins**, et al. (in review) *JEP: General* [\[DOI\]](#)
Lalwani, ..., **Adkins**, ...et al. (in review) *Psych. Science* [\[DOI\]](#)
Adkins, Zhang, Jonides, and Lee (in prep)
Adkins, Weissman, and Lee (in prep)

*Shared first authorship