

# William Mitchell

<https://wj-mitchell.github.io/>  
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## EDUCATION

### TEMPLE UNIVERSITY

PHD, COGNITION & NEUROSCIENCE  
 Grad. Aug 2025 | Philadelphia, PA  
 Concentration: Quantitative Methods

### LOYOLA UNIVER. MARYLAND

BA, PSYCHOLOGY  
 Grad. May 2014 | Baltimore, MD  
 Graduated Magna Cum Laude

## GRAD. COURSEWORK

Graduate Statistics I & II  
 Multivariate Statistics  
 Hierarchical Linear Modeling  
 Human Neuroimaging  
 Cognitive Psychology  
 Adolescent Psychology  
 Neuromodulation, Learning & Memory  
 Method in Neuroscience

## PROGRAMMING

Proficient Languages:

 R •  Python •  Shell  
 JavaScript •  L<sup>A</sup>T<sub>E</sub>X

Familiar Languages:

SQL • CSS • HTML • MATLAB  
 Markdown • Git • Arduino

## SKILLS

### Statistical Methods

Univariate & Multivariate fMRI Analysis •  
 Intersubject Correlation • Permutation  
 Testing & Bootstrapping • Neural  
 Networks • Representational Similarity  
 Analysis • Factor Analysis • Hierarchical  
 Modeling • Non-parametric Statistics •





### Applications

FSL • fMRIPrep • MRICroGL • Anaconda  
 • Hume.AI • EmoNet • Whisper

### Selected Libraries

Ime4 • Tidyverse • NLTools • Nilearn •  
 Pandas • PyTorch • SciPy • TensorFlow

## LINKS

 Github: [wj-mitchell](#)  
 LinkedIn: [wjpmitchell](#)  
 Bluesky: [wj-mitchell](#)  
 Scholar: [William J. Mitchell](#)

## SELECTED EXPERIENCES

### RUTGERS UNIVERSITY - NEWARK | POST-DOCTORAL ASSOCIATE

Sept. 2025 - Present | Newark, NJ

- Applying computational modeling to social decision-making tasks to distinguish trustworthiness from perceived similarity to others
- Identifying neural and physiological markers of complex social decision-making when dissociating trustworthiness and homophily

### TEMPLE UNIVERSITY | GRADUATE RESEARCHER

Aug. 2019 – Aug. 2025 | Philadelphia, PA

- Applied advanced statistical, machine learning techniques and used complex, dynamic stimuli to promote greater ecological-validity in research
- Used television stimuli, computational methods, magnetic resonance imaging to study when people synchronize in their social decisions while uncertain.
- Used innovative study design (e.g., haunted houses, movies), multilevel models, natural language processing to explore natural emotion responses under stress.

### JOHNS HOPKINS UNIVERSITY | RESEARCH COORDINATOR

Sept. 2013 – Oct. 2017 | Baltimore, MD

- Distributed and monitored the effects of reduced nicotine cigarettes in typical and vulnerable populations to aid FDA regulation of nicotine content.
- Administered people cannabinoid products to identify a reliable biomarker among intoxicated individuals.

## LEADERSHIP ROLES

### CODING OUTREACH GROUP | DIRECTOR / ASSISTANT

2021 – 2024 | Philadelphia, PA

Teaching statistics & programming skills via weekly office hours, summer workshops, semi-annual bootcamps, and COG-generated tutorials; Community of 175+ on Slack

### JOHNS HOPKINS UNIVERSITY | INTERN. PROGRAM MANAGER

2015 – 2017 | Baltimore, MD

Interviewed and selected interns; developed their skills & interests via trainings, progress meetings, and research activities

## SELECTED PUBLICATIONS

**Mitchell WJ**, Stasiak J, Bounyarith T, O'Shea I, Helion C, (In Preparation). Perspective moderates the resolution of social uncertainty using naturalistic behavioral paradigm.

**Mitchell WJ**, Stasiak J, Martinez SA, Cliver K, Gregory DF, Reisman S, Schmidt H, Murty VP, Helion CA (2025). Emotion regulation strategy use and forecasting in response to dynamic, multimodal stimuli. **Journal of Experimental Psychology: General**

**Mitchell WJ**, Tepfer LJ, Henninger NM, Perlman SB, Murty VP, Helion CA (2021). Developmental Differences in Affective Representation Between Prefrontal and Subcortical Structures. **Social Cognitive & Affective Neuroscience**

## SELECTED AWARDS

- 2024 Winner of the National CARD-Ipsos Dissertation Award
- 2023 National Institute of Health D-SPAN F99/K00 6-Year Fellowship
- 2023 Methods in Neurosci. at Dartmouth Computat. Summer Fellowship
- 2022 Psychology Department Honors Mentor of the Year at Temple Univer.
- 2022 Neurohackademy Summer Fellowship
- 2021 Social & Affective Neuroscience Society Best Poster Award