

Dominic Burkart

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Academic Interests

- Group and Intergroup dynamics – identity, conflicts, and health; especially of minorities.
- Social networks – cognitive & neural foundations, topology, digital network collection.
- Technical methodologies – natural language processing, geodata, network/tensor analysis.

Research Experience

June 2017 – June 2018

Lab Manager and Researcher, Princeton Social Neuroscience Lab. PI: [Diana Tamir](#).

June 2015 – June 2017

Research Assistant, Social Perception and Evaluation Lab (New York University). PI: [Jay Van Bavel](#).

June 2014 – July 2015

Research Assistant, Bruce Neuroscience Cooperative (Kansas University Medical Center). PI: [Amanda Bruce](#).

September 2013 – June 2014

Research Assistant, Behavioral Rewards and Incentive Networks Lab (University of Missouri: Kansas City). PI: [Amanda Bruce](#).

Education

2015 – 2017

New York University

- BA Psychology (May 2017, GPA 3.612), minor in French.
- Singer in the NYU Chorale.

2013 – 2015

University of Missouri: Kansas City

- Honors Student of Psychology and English.
- Editor and Secretary for the undergraduate research journal, Lucerna.

Primary Programming Languages

- Python
- Javascript
- R
- Erlang
- Rust
- Java

Software Literacy

- IDEs: PyCharm (Python, Erlang, Rust), Eclipse (Java), RStudio (R), Webstorm (JS)
- Statistics / Visualization: Gephi, SPSS
- Adobe Creative Suite (for design and video / image / audio editing)

Academic Publications, Posters, and Presentations

- Burkart, D., Wills, J., Brady, W., Van Bavel, J. (2017). [*Morality, Emotionality, and Social Network Structures of Political Twitter Users*](#). Poster presented at the Society for Personality and Social Psychology, San Antonio, Texas.
- Ha, O. R., Bruce, A. S., Pruitt, S. W., Cherry, J. B. C., Smith, T. R., Burkart, D., Bruce, J. M. & Lim, S. L. (2016). Healthy eating decisions require efficient dietary self-control in children: A mouse-tracking food decision study. *Appetite*, 105, 575-581.
- Ha, O. R., Bruce, A. S., Pruitt, S. W., Cherry, J. B. C., Smith, T. R., Burkart, D., Bruce, J. M., & Seung-Lark Lim (2016). *Healthy Eating Decisions Require Efficient Inhibitory Self-Control in Children: A Mouse-Tracking Food Decision Study*. Poster presented at the fourth congress of Flux: The Society for Developmental Cognitive Neuroscience, Saint Louis, Missouri.
- Smith, T. R., Bruce, A. S., Haghnegahdar, M., Burkart, D., Francisco, A. J., Cherry, J. B. C., Ha, O. R., Bruce, J. M., & Seung-Lark Lim (2015). *Child-parent food decision disagreement in obese and lean children*. Poster presented at ObesityWeek 2015, Los Angeles, California.

Other Publications

- Burkart, D. (2017). [*Whose Votes Count? State Demographics and Election Qualities*](#). *VividCivic*.
- Burkart, D (ed.). (2016). [*Standard Deviation*](#), 1.

Awards and Honors

- Awarded Dean's Undergraduate Research Funding (DURF) three times: for Social Network Analysis, Queer Psychology, and Moral Contagion, NYU.
- Research+ undergraduate researcher (including summer housing), NYU.
- Honors Program, University of Missouri: Kansas City (UMKC).
- Dorothy Zimmer Merit Scholarship (for Musical Composition) and Talent Scholarship, UMKC Community Academy of Music and Dance.

Programming Examples

Github: [@DominicBurkart](#). Projects include:

- [Python autobiographical text identifier](#)
- [Erlang cluster manager](#)
- [Rust inference engine](#)
- [Java twitter network collector](#)

Arts

See dominicburkart.com/art.html for composition, photography, and performance examples.