

Dominic Burkart

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Work Experience

- June 2017 – June 2018: **Lab Manager and Researcher**, Princeton Social Neuroscience Lab. Collected and analyzed fMRI, behavioral, and social network data; managed multiple research projects concurrently; implemented various modular natural language processing analyses; designed experiments; coordinated research assistants.
- June 2015 – June 2017: **Research Assistant**, New York University's Social Perception and Evaluation Lab. Created the lab's Twitter social network collection / analysis pipeline (>1.8 billion streamed tweets to date, social network topology for thousands of target users).
- June 2014 – July 2015: **Research Assistant**, Kansas University Medical Center's Bruce Neuroscience Cooperative. Performed literature reviews and data collection.
- September 2013 – June 2014: **Research Assistant**, University of Missouri: Kansas City's Behavioral Rewards and Incentive Networks Lab. Performed behavioral and neural data collection and cleaning.

Technical Skills

Programming Languages

Python, R, Javascript, Java, Erlang, Rust.

Packages and Frameworks

Pandas, Numpy, Scikit-learn; Node.js, React, p5; Git, Docker, Travis CI.

Statistics and Scientific Methods

Frequentist and Bayesian methods for classification and linear modeling, Natural language processing, Network analysis, Experimental design.

Additional work experience with Rails, Django, Postgres, MongoDB, AWS and Google Cloud.

Recent Coding Projects

Classification of Autobiographical Text (CAT), Python. [Code](#)

Twitter Social Network Collector, Java. [Code](#)

Kid (inference engine), Rust. [Code](#)

Leoronic Low Performance Cluster, Erlang. [Code](#)

Education

2015 – 2017

New York University, B.A. Psychology (May 2017, GPA 3.612), minor in French.
Relevant coursework: Data Structures, Discrete Math, Advanced Statistics.

2013 – 2015

University of Missouri: Kansas City, Honors Student of Psychology and English.

See my [Curriculum Vitae](#) for additional information, e.g. scientific publications.