

Jacob M. Parelman

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Education

2014

B.A. Psychology, Cum Laude'
Cognitive Science certificate
University of Colorado at Boulder,
College of Arts & Sciences

Work Experience

2014 - present

Lab Manager & Professional Research Assistant
Social Neuroscience & Games Lab
Director: R. McKell Carter
Institute of Cognitive Science
University of Colorado at Boulder

2012 - 2014

Research Assistant
Cognitive & Affective Neuroscience Lab
Director: Tor D. Wager
Department of Psychology
University of Colorado at Boulder

Awards and Distinctions

- 2014** - CU Boulder Honors, Cum Laude', in Psychology
- 2014** - CU Boulder Certificate in Cognitive Science
- 2013 - 2014** - CU Dean's List
- 2013** - CU Summer Undergraduate Research Fellowship
- 2013** - CU Undergraduate Research Opportunity Program (Grant)

Relevant Skills

Data Processing and Analysis

- Pandas, NumPy
- Rstudio, SPSS, Matlab

Data Acquisition & Stimulus Presentation

- fMRI: 3.0 Tesla Siemens MAGNETOM Prisma^{fit} MRI scanner
- BIOPAC Psychological Data Acquisition Software
- E-prime, PsychoPy, PsTurk

Full Stack Development

- **Python**: flask, sqlalchemy
- **JavaScript**: jQuery, Bootstrap, d3, three.js
- **SQL**: SQLite, MySQL

Other

- unix shell
- Git
- Swift / objective-c
- Emergent Neural Network Simulator Software
- Microsoft Office

Posters, Talks & Publications

Posters

Fairley, K., Parelman, J.M., Farrant, D., Carter, R.M. (2016, November). Social Risk Preferences and Real-life Risk Behaviors. Poster presented at the 2016 annual meeting of the Economic Society Association, Tucson, AZ.

Fairley, K., Parelman, J.M., Farrant, D., Carter, R.M. (2016, August). Social Modulation of Risky Behavior. Poster presented at the 12 annual meeting of Society for Neuroeconomics, Berlin, Germany.

Jung, H., Mosner, M.G., McLaurin, R.E., Hakimi, S., Parelman, J.M., Kinard, J., Chakraborty, P., Dichter, G., Carter, R.M. (2016, May). Co-opted Social Cognitive Neural Substrates in Autism During Strategic Gameplay. Poster presented at the 71st Annual Scientific Convention and Meeting of Society of Biological Psychiatry, Atlanta, GA.

Jung, H., Mosner, M.G., McLaurin, R.E., Hakimi, S., Parelman, J.M., Kinard, J., Chakraborty, P., Dichter, G., Carter, R.M. (2016, April). Testing for Co-opted Higher-Order Social Cognition in Autism. Oral presentation presented at the 86th Annual Convention of the Rocky Mountain Psychological Association, Denver, CO.

Pareiman, J.M. , Foster, J.M., Fairley, K., Hakimi, S., Jones, M., Carter R.M. (2015, Sept.). Social Balloon Analogue Risk Task: Competitive & cooperative rule effects on social decision making. Poster presented at the 11th annual meeting of the Society for Neuroeconomics, Miami, FL.

Law, J.R., Skene, J.A.G., Pareiman, J.M., Vidmar, N., Beskind, D.H., Carter, R.M., Pearson, J.M., Skene, J.H.P. (2015, Oct.). Mechanisms of decision-making in criminal trials. Poster presented at the 45th Annual meeting of the Society for Neuroscience, Chicago, IL.

Lopez-Sola, M., Ruzic, L., Buhle, J.T., Pareiman, J.M., Wager, T.D. (2014, April). Effectis of social support on brain responses to painful stimulation in romantic couples. Poster presented at the 7th annual meeting of the Social and Affective Neuroscience Society, Denver, CO.

Talks

Socket Programming and Multi-Subject Experimental Design (April 2016). Presented methods and examples of network programming techniques for multi-subject social experiments.

Relevant Coursework & Reading

Coursework

- Computational Cognitive Neuroscience
- Research Methods in Social Psychology
- Research Methods in Cognitive Psychology

Readings

- Reinforcement Learning: An Introduction - Sutton & Barto
- Functional Magnetic Resonance Imaging ed.2 - Huettel, Song & McCarthy