

Abbie M. Popa, ScB

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UC Davis Neuroscience Graduate Group

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EDUCATION	PhD University of California at Davis , Davis, CA, (September 2012 - December 2017) Major: Cognitive Neuroscience with a Data Science Initiative Affiliation Honors ScB. , Brown University, Providence, RI, (September 2006-December 2010) Major: Cognitive Neuroscience																				
TECHNICAL SKILLS	R, Matlab, Python, Jupyter, git, SQL, SPSS, DataGraph, L ^A T _E X , HTML, CSS Packages including ggplot, nlme, sklearn, pandas																				
TECHNICAL EXPERIENCE	<table><tr><td>PhD Researcher</td><td>UC Davis MIND Institute and Neuroscience Graduate Group</td></tr><tr><td>Davis, CA</td><td>September 2012 - present</td></tr><tr><td colspan="2"><ul style="list-style-type: none">• Developed 6 child-friendly computerized behavior tests (disguised as games)• Developed analysis protocols for behavioral data, eye tracking data, event-related potential data, resting state functional MRI data, and physiological data• Conducted analyses, including k-means clustering, ICA, and non-linear modelling• Programmed data analyses and visual stimuli using R, Python, and Matlab• Trained four junior research assistants and four volunteer interns</td></tr><tr><td>Davis Incubator Group</td><td>Student organized group at UC Davis</td></tr><tr><td>Davis, CA</td><td>January 2016 - Present</td></tr><tr><td colspan="2">Member (January - August 2016); President (September 2016 - present)</td></tr><tr><td colspan="2"><ul style="list-style-type: none">• Completed online coursework in python, SQL, and machine learning• Participated collaboratively in online machine learning competitions, finishing in the top 10% of a drivendata.org competition• Practiced coding, machine learning, and data science skills• Organized and scheduled meetings for a group of 6-8 data scientists</td></tr><tr><td>Research Assistant</td><td>Brown Center for the Study of Children at Risk</td></tr><tr><td>Women and Infants Hospital, Providence, RI</td><td>January 2011 - May 2012</td></tr><tr><td colspan="2"><ul style="list-style-type: none">• Recruited, scheduled, and tested approximately 75 participants on three visits• Conducted data analyses including developing formulae for eliminating outliers, basic summary statistics, and t-tests• Completed literature searches for grant building information• Wrote a script to generate compiled data from output software• Created a system for standardized digitization of about 200 audio cassettes• Trained volunteers to help in the lab</td></tr></table>	PhD Researcher	UC Davis MIND Institute and Neuroscience Graduate Group	Davis, CA	September 2012 - present	<ul style="list-style-type: none">• Developed 6 child-friendly computerized behavior tests (disguised as games)• Developed analysis protocols for behavioral data, eye tracking data, event-related potential data, resting state functional MRI data, and physiological data• Conducted analyses, including k-means clustering, ICA, and non-linear modelling• Programmed data analyses and visual stimuli using R, Python, and Matlab• Trained four junior research assistants and four volunteer interns		Davis Incubator Group	Student organized group at UC Davis	Davis, CA	January 2016 - Present	Member (January - August 2016); President (September 2016 - present)		<ul style="list-style-type: none">• Completed online coursework in python, SQL, and machine learning• Participated collaboratively in online machine learning competitions, finishing in the top 10% of a drivendata.org competition• Practiced coding, machine learning, and data science skills• Organized and scheduled meetings for a group of 6-8 data scientists		Research Assistant	Brown Center for the Study of Children at Risk	Women and Infants Hospital, Providence, RI	January 2011 - May 2012	<ul style="list-style-type: none">• Recruited, scheduled, and tested approximately 75 participants on three visits• Conducted data analyses including developing formulae for eliminating outliers, basic summary statistics, and t-tests• Completed literature searches for grant building information• Wrote a script to generate compiled data from output software• Created a system for standardized digitization of about 200 audio cassettes• Trained volunteers to help in the lab	
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LEADERSHIP AND COMMUNITY EXPERIENCE	Neurobiology (class of 200 undergraduates) Teaching Assistant (April - June 2015) Explorations, UC Davis Undergraduate Research Journal Editor (Feb - June 2015); Managing Editor (Sept 2015 - Present) Women in Science and Engineering Mentorship Program Mentor (Sept 2015-Present) Neuroimaging Journal Club Student Facilitator (Sept 2013 - Present) Brain Awareness Week Graduate Student Presenter (March 2013 - Present) UC - Davis Neuroblog , Graduate Student Contributor (Sept 2013 - Present) The Graduate Academic Achievement and Advocacy Program Graduate Student Volunteer and Mentor (Sept 2013 - June 2015) Graduate Student Assembly Departmental Representative (Sept 2013 - June 2015)																				