

## Abbie M. Popa, ScB

abbiepopa@gmail.com  
linkedin.com/in/abbiepopa

## UC Davis Neuroscience Graduate Group

401-440-5228  
github.com/abbiepopa

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

**Graduate Student Assembly** Departmental Representative (Sept 2013 - June 2015)