

[REDACTED]

[REDACTED]

EDUCATION

University of California, Berkeley, Berkeley, CA

B.A, *summa cum laude*, Psychology, 2015. Major GPA [REDACTED]

Honor's Thesis: [REDACTED]
[REDACTED]

B.A, *magna cum laude*, Theater and Performance Studies, 2015. Major GPA [REDACTED]

Diablo Valley College, Pleasant Hill, CA

A.A, *cum laude*, Psychology, 2012. GPA [REDACTED]

PROFESSIONAL RESEARCH EXPERIENCE

Johns Hopkins University, Baltimore, MD

April 2016 – Present

PI: [REDACTED]

Research Assistant

- Administer neuropsychological tests to healthy controls ($n > 75$) and participants with a first episode of psychosis caused by schizophrenia, bipolar disorder, or other disorders ($n > 75$)
- Score test protocols and check scores of previously administered tests
- Clean and enter data (neuropsychological, social cognitive, olfactory, & brain MRI) into SPSS and Excel databases
- Organize and aggregate databases using Python
- Conduct descriptive and inferential statistics in SPSS for study monitoring, scientific presentation, and preparation of grants and manuscripts
- Preprocess and analyze structural MRI data using FreeSurfer and SPM
- Preprocess and analyze diffusion weighted data in FSL

VOLUNTEER RESEARCH EXPERIENCE

[REDACTED], UC Berkeley Jan 2016 – April 2016

PI: [REDACTED]

Post Doctorate Fellow: [REDACTED]

Post Doctorate Fellow: [REDACTED]

Research Assistant

- Prepared participants for MRI scans
- Obtained functional and anatomical brain MRI scans using a Siemens 3T machine
- Stimulated the motor cortex of participants using TMS to determine motor threshold
- Administered computerized memory test to study participants

[REDACTED], UC Berkeley Oct 2015 – April 2016

PI: [REDACTED]

Graduate Student: [REDACTED]

Research Assistant

- Monitored participants during overnight sleep deprivation experiments
- Managed physiological recordings: blood pressure and EKG electrode application
- Assisted with fMRI preparation and operation

[REDACTED], UC Berkeley 2014 – 2015

PI: [REDACTED]

Graduate Student: [REDACTED]

Research Assistant

- Called and screened participants for MRI eligibility
- Maintained a database of possible subjects and screening results
- Contacted, consented, and guided participants through the facilities
- Administered IQ tests (WASI vocabulary and block design) and digit span assessments
- Prepared participants for MRI scanning
- Trained research assistants on protocols and procedures

[REDACTED], UC Berkeley 2014 – April 2016

PI: [REDACTED]

Graduate Student: [REDACTED]

Research Assistant

- Administered cognitive assessments to fifth grade students
- Scheduled and monitored 38 adult participants during an eye-tracking experiment
- Analyzed eye tracking data using R studio and Excel
- Performed a review of literature relevant to the experiment
- Created graphs and wrote a manuscript for my thesis
- Presented the thesis to a group of my peers

PUBLICATIONS

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

ORAL PRESENTATIONS

[REDACTED]

POSTER PRESENTATIONS

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

VOLUNTEER WORK

[Redacted], Walnut Creek, CA 2015 – 2016

Call Center Volunteer

- Provided telephone crisis intervention for persons in acute psychological distress
- Referred appropriate cases to Child Protective Services and emergency services for treatment, food, and shelter

[Redacted], Napa, CA 2014 – 2015

Externship Volunteer

- Participated in a variety of social engagements with forensic patients

[Redacted], [Redacted] 2012 – 2013

Activity Coordinator Assistant

- Led enriching activities with residents experiencing memory deficits

COMPUTER SKILLS

Python Programming Scripts

- Aggregates and condenses a merged E-prime data file using for-loops
- Aggregates and condenses eye tracking data files using for-loops
- Scores the modified Wisconsin Card Sorting Task
- Saves a text file of all directories of an external hard drive for archival use

Linux

- Navigate through directories, install programs, manipulate file structure, and run basic commands
- Can create organizational loops to speed up processing of data by arranging data efficiently

SPSS Statistics

- Analyze data using a T-test, ANOVA, ANCOVA, regression, correlation, multiple regression, MANOVA, or linear discriminant analysis
- Use SPSS syntax to customize analysis and automate calculations of database variables

Microsoft Excel

- Use IF formulas, conditional formatting, graphing, and a variety of commands

E- Prime

- Execute experiments, edit experiments, and clean data produced by experiments
- Can synchronize AcqKnowledge software with E-prime so that E-prime responses are recorded in AcqKnowledge in real time

R-Studio

- Organize, omit, and analyze data using R code
- Use correlations, regressions, T-tests, ANOVAs, ANCOVAs, MANOVAs, and linear discriminant analysis
- Create graphs for each of the above analysis using default R libraries or the ggplot2 package

MRI Software

FreeSurfer

- Install FreeSurfer, convert DICOM files to NifTI files, preprocess structural MRI Scans, and view preprocessed segmentation

Statistical Parametric Mapping (SPM)

- Preprocess structural MRI through realignment, normalization, segmentation, modulation, and smoothing
- Perform basic voxel based morphometry (VBM) analysis using the Computational Anatomy Toolbox (CAT)

MRICron

- Convert DICOM MRI files to NifTI files and view NifTI file brains

FMRIB Software Library (FSL)

- Inspect DTI sequence for motion artifacts and replace motion artifacts
- Correct image distortion from eddy current and subject motion
- Fit probabilistic diffusion model on corrected data
- Perform tract-based spatial statistics on FA and non-FA indices
- Perform probabilistic tractography from two seed points

PSYCHOMETRIC TESTING EXPERIENCE

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