Jarrett Ebersberger

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EDUCATION

❖ **B.A. with Honors**, Psychology (Cognitive Neuroscience focus), University of California, Irvine, CA, Spring 2020

❖ **A.A. with Honors**, General Studies, Arapahoe Community College CO, Spring 2018

Academic Work Experience

❖ **Graduate Research Assistant / Graduate Student,** Cognitive Neurosciences Program, University of California, Irvine Fall 2022 - Current

❖ **Center For Hearing Research Journal Club Coordinator**, University of California, Irvine Spring 2023 - Current

❖ **Stark Lab,** Craig Stark, Neurobiology & Behavior, University of California, Irvine: RESEARCH SPECIALIST Summer 2021 – 2022
  ➢ **Participant recruitment**
      ■ Various screening questionnaires for participants
      ■ MoCA assessment administration and scoring
      ■ Calling elderly patients participating in ADRC
  ➢ **Lab Administration**
      ■ Monthly & yearly NIH reports on participant demographics
      ■ Financial reporting for participant payments & other lab expenses
      ■ Maintenance & creation for participant databases
      ■ Technical assistance for entire lab: programing training, computer setup, permissions to data folders
      ■ Interviewing and hiring new research assistants
      ■ Screening and running MRI scans for various studies
  ➢ **Data Analysis**
      ■ Python coding (NumPy, Pandas) for data analysis and statistics
      ■ JavaScript/PsychJS coding for task creation
      ■ Prism and Seaborn programs used for plots

❖ **Powers Lab**, Al Powers, School of Medicine,Yale University: RESEARCH ASSISTANT Winter 2020 – 2021
  ➢ **Data Analysis**
      ■ Organizing and analysis in Python programming

- ➢ **Task Creation**
  - ■ Literature search to find appropriate tasks for a sensory battery
  - ■ Coded stop signal task for battery
- ➢ **Lab Administration**
  - ■ Edited grant proposals for review
  - ■ Pilot testing German version of tasks
  - ■ Feedback for presentations and posters

- ❖ **Mind SPACE Lab**, Alyssa Brewer, Cognitive Sciences, University of California, Irvine: RESEARCH ASSISTANT Spring 2019 – 2022
  - ➢ **Participant recruitment**
    - ■ Recruited participants via various platforms such as SONA & Reddit
  - ➢ **Lab Administration**
    - ■ Maintained participant databases
    - ■ Wrote research proposals and project funding programs
  - ➢ **Data Analysis**
    - ■ Mapped Gray/White matter areas on MrGray
    - ■ Designed & coded data analysis in python and R code
    - ■ Conducted statistical tests on data via Matlab, Pandas, Prism
    - ■ Embed n-back task in qualtrics survey
    - ■ Presented lab projects at conventions and symposiums

- ❖ **Sarnecka Cognitive Development Lab**, Barbra Sarnecka, Cognitive Sciences, University of California, Irvine: RESEARCH ASSISTANT Winter 2018 – Spring 2019
  - ➢ **Testing at Local Schools and Museums**
    - ■ Recruited child participants with parental consent, conducted
    - ■ Experiments with child participants, specifically three armed bandit task
  - ➢ **Lab Administration**
    - ■ Inputted, coded, and organized data. Inputted and organized participation records of subjects and their families.
    - ■ Trained new research assistants on the entry of data, demographic information, and participation records.
  - ➢ **Data Analysis**
    - ■ Analyze and plotting of behavioral data
    - ■ Presented lab projects at conventions and symposiums
- ❖ **University of California**, Irvine Spring 2020
  - ➢ **Student Reader:** Neuro of Cognition & Brain Disorders

Publications

- ❖ Stark, C., Noche, J., **Ebersberger, J.**, Mayer, L., & Stark, S. (2023). Optimizing the mnemonic similarity task for efficient, widespread use. *Frontiers in Behavioral Neuroscience*, *17*, 1080366. https://doi.org/10.3389/fnbeh.2023.1080366

GRANT AWARDS, FELLOWSHIPS, AND CONSULTING

❖ **Pre-Doctoral Training Grant**, Center for Hearing Research, University of California, Irvine, NIDCD Training Grant (**Award #: T32DC010775-13**) P.I. Alyssa A, Brewer

CONFERENCE PRESENTATIONS

- ❖ Smith P, Sankhala E, Alarcon G , Choi L , Baddour B, Ngo I, Hyun D, Rico S, Ebersberger JR, Brewer A. (2023). "Characterization of Migraine Prevalence, Triggers, and Symptoms in a Collegiate Sample" *UC Irvine Undergraduate Research Opportunities Program Spring Conference, May 2023*.

- ❖ Ebersberger JR, Noche J, Singh E, Lee C, Stark C. (2022). "Impact of Gameplay Pace on Hippocampal Functions." *UC Irvine Undergraduate Research Opportunities Program Spring Conference, May 2022*.

- ❖ Ebersberger JR, Sarnecka B. (2019). "Childish Decisions: When adults are told to learn, they act more like children." *UC Irvine Undergraduate Research Opportunities Program Spring Conference, April 2019*.
- ❖ Ebersberger JR, Brewer A. (2019)."Chronic Pain: Finding a More Accurate Measurement"*, UC Irvine Summer Undergraduate Research Program*, *University of California, Irvine, Summer 2020*.

- ❖ Ebersberger JR, Brewer A. (2019)."Computer Gaming: The Effects of Specific Video-Game Expertise and Personality traits on Visual Working Memory"*, UC Irvine* Undergraduate Research Opportunities Program Spring Conference, Spring 2020

Certifications

- ❖ COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM)
  - ➢ Human Subject Research
  - ➢ Course Learner Group: IRB Members - Social/Behavioral

- ❖ MRI safety certified

HONORS AND AWARDS

- ❖ ***Departmental Honors in the Cognitive Sciences***, *University of California, Irvine,*
  - ➢ *'Computer Gaming: The Effects of Specific Video-Game Expertise and Personality traits on Visual Working Memory.'*
- ❖ ***Phi Theta Kappa Honor Society Membership***, Arapahoe Community College, Winter 2018
  - ➢ Awarded to community college students who have shown a commitment to academics, character, and leadership.
- ❖ ***Nu Rho Psi Honor Society Membership***, *University of California, Irvine*, Spring 2020
  - ➢ The only nationally recognized neuroscience honors society. Inducted members must maintain a 3.5 in neuroscience courses
    - ➢ Awarded to students who have shown a commitment to academics and research within the field of neuroscience.
- ❖ ***Deans List***, *University of California, Irvine, Fall 2018 - Spring 2020*
- ❖ ***Latin Honors, University of California, Irvine***: *Cum Laude. Overall GPA: 3.82*
  - ❖ ***Latin Honors, Arapahoe Community college***: *Cum Laude. Overall GPA: 3.67*
- ❖ ***UROP Grant Fellowship***, *University of California, Irvine*, Spring 2019, '*Childish Decisions: When adults are told to learn, they act more like children*'
- ❖ ***SURP Grant Fellowship***, *University of California, Irvine*, Summer 2019, '*Chronic Pain: Finding a More Accurate Measurement*'
- ❖ ***UROP Grant Fellowship***, *University of California, Irvine*, Spring 2019, '*Computer Gaming: The Effects of Specific Video-Game Expertise and Personality traits on Visual Working Memory.*'

Skills

JASP Statistical

Software Excel

Mede Analytics

Software Redcap

QUALTRICS

TellLab

Psychopy

SPSS

Rstudio

Python

Matlab

FSLEYES

Mr.Gray

JATOS

Linux

PRISM 9

JavaScript/JSPsych

MRI Technician Certificatio

SERVICE: COMMUNITY OUTREACH PROGRAMS

❖ **The Diverse Educational Community and Doctoral Experience (DECADE) Representative**, Fall 2022-current
> ➢ Representatives strike to create a warm and inclusive climate within the University of California, Irvine. DECADE is a multi-departmental collaborative that includes faculty, staff, students, and even alumni–all committed to facilitating a sense of belonging for all UCI students.

❖ **Migraine Club at UCI,** Graduate mentor, Fall 2022-current
> ➢ The Migraine Club at UCI aims to provide educational resources on the topic of migraine disease in order to promote advocacy and awareness on campus. In addition to raising awareness and providing education, the Migraine Club at UCI aims to raise funds in order to contribute to migraine disorder foundations and research organizations.

Relevant coursework

Abnormal Psychology Fall 2018

PSYCH 120A, Psychology, University of California, Irvine

Neuro Perception Winter 2019

PSYCH 169, Psychology, University of California, Irvine

MATLAB Programming Winter 2019

PSYCH 114M, Psychology, University of California, Irvine

Cognitive Development Research Winter 2019/ Spring 2019

PSYCH 148, Psychology, University of California, Irvine

Brain Disorders and Behavior Spring 2019

PSY 160D, Psychology, University of California, Irvine

Cognitive Science Spring 2019

PSYCH 140C, Psychology, University of California, Irvine

Creativity Spring 2019

PSYCH 129, Psychology, University of California, Irvine

Anatomy & Physiology Spring 2018

Bio 201, Biology, Arapahoe Community College

References: Available upon request