

Freud Pavlov

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PROFESSIONAL SUMMARY

Recent Psychology graduate with 4 years of research experience. Strong knowledge of SPSS, IRB processes, and study management including design and implementation. Looking to utilize analytical and critical thinking skills in a pediatric research position.

EDUCATION

Xavier University – Cincinnati, OH

May 2019

Bachelor of Science

Major: Psychology | Minors: Biology; Peace and Justice

GPA: 3.5/4.0 | Psychology GPA: 4.0/4.0

RESEARCH EXPERIENCE

Lead Researcher, Comparing Dog Video to Image to Test Impact on Test Score

August 2018-May 2019

Xavier University, Cincinnati, Ohio

- Designed and implemented an empirical study on using digital representation and its influence on test scores
- Led participant recruitment efforts through strategic marketing on campus; resulting in 20 participants
- Coordinated logistics of data collection, including room reservations and email correspondence
- Guided participants through the informed consent and debriefing processes
- Completed National Institute of Health (NIH) training regarding using human participants in research
- Managed research submission to the Institutional Review Board (IRB) and made edits as needed in collaboration with PI
- Analyzed participant data using Statistical Package for the Social Sciences (SPSS) statistics

Research Assistant, Twitters' Impact on Feminism

October 2019-April 2019

Xavier University, Cincinnati, Ohio

- Guided participants through the study and answered questions regarding the requested tasks
- Worked as a confederate using twitter to create the conditions of the study
- Searched for references related to study to create a background of current literature before study publication

Research Intern

May 2018-August 2018

University of Tennessee Knoxville, Knoxville, Tennessee

- Utilized Immunofluorescence to identify ECM proteins expressed by hADSC on Single-layer oxidized Graphene and Glass
- Completed individual research project assigned by PI to test for ECM proteins in various conditions
- Collaborated with three Ph.D. candidates to assist with other research projects
- Observed rat surgeries and assisted with non-surgical tasks
- Used direct and indirect cell staining techniques to obtain data
- Used microscope techniques to quantify data for analyses
- Assisted in retrieving stem cells from animal subjects by transporting materials

Lead Researcher, Maternal Behaviors of Bonobos

August 2017-May 2018

Cincinnati Zoo, Cincinnati, OH

- Observed interactions of a bonobo family unit recording behaviors weekly to obtain data
- Collaborated with another student to document observations and analyze data
- Utilized excel to test for significance and correlation of observed behaviors
- Presented findings to peers and members of faculty at Xavier University to share results

Laboratory Assistant, Ecology and Evolution of Vertebrates

University of Cincinnati, Cincinnati, Ohio

- Researched the morphology of Darwin's finches including the evolutionary effects on the finches' beaks and genomics
- Tested for the presence of DNA within samples before using an electrophoresis apparatus to run gels for data

Laboratory Assistant, Vector Ecology, Summer Undergraduate Research

May 2016-March 2017

Xavier University, Cincinnati, Ohio

- Collected and analyzed macroinvertebrate samples from local Cincinnati waterways and recorded conditions of the Mill Creek Watershed
- Utilized excel to document macroinvertebrate classification for further analysis
- Used microscopes to classify macroinvertebrates within samples
- Presented results to other summer interns and faculty to share results

ADDITIONAL EXPERIENCE

Contractor, Prestige Technical Services

June 2014-August 2016

Proctor & Gamble, West Chester, Ohio

- Provided testing, prototyping, and engineer support for product development
- Developed skills of team contributor to work with a diverse group of people to meet deadlines, successfully worked with diverse populations including race and economic background

Tutor, Noyce Internship

June 2015-July 2015

Xavier University, Cincinnati, Ohio

- Developed and implemented lesson plans for middle school and high school students in the content areas of Science, Reading, Writing and Math specifically based on individual needs
- Facilitated information exchange between parents, students, tutors and Xavier University faculty

PRESENTATIONS

Pavlov, F., McMicholas, E., Robbins, J. (2017-2018 May). *Maternal Behavior in Bonobos*. Senior Biology Presentation at Xavier University's Celebration of Student Research, Cincinnati, OH.

Pavlov, F., Newby, S., Dhar, M., Anderson, D. (2018 August). *Using Immunofluorescence to identify ECM proteins expressed by hADSC on Single-layer oxidized Graphene and Glass*. University of Tennessee's NIH and REU Poster Session, Knoxville, Tennessee.

SKILLS AND ACCOMPLISHMENTS

- SPSS
- Excel
- IRB protocol
- Manage laboratory supplies and budget
- Coordinate multiple research studies to utilize participant's time and effort
- Assemble materials needed in research study
- Properly store and dispose of participants responses
- Completed CITI and NIH "Protecting Human Research Participants" training in 2017