

JONATHAN PEDROZA

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RESEARCH INTERESTS

My research interests include: (1) the relationship between executive functioning (measured both via self-report and functional near infrared spectroscopy – fNIR) and technology use, (2) the implementation of intervention models, particularly the application of technology-based interventions for chronic illnesses, and (3) the impact of negative health behaviors (sedentary behaviors, technology use, unhealthy eating) on adolescent and young adults' health.

EDUCATION

California State University, Dominguez Hills
Carson, CA
M.A. Psychology, Health Option, (Expected Spring 2017)

California State Polytechnic University, Pomona
Pomona, CA
B.A. Psychology, 2014
Minor: Chicana/o and Latina/o Studies

RESEARCH POSITIONS

Graduate Research Assistant (2015 – Present)
George Marsh Applied Cognition Laboratory, Department of Psychology, CSUDH

- Collaborated with lab directors for future research projects
- Collaborated with sources from different campuses
- Assisted with various lab projects
- Led lab meetings dealing with neuroimaging data
- Presented statistical concepts during lab meeting
- Mentored undergraduate researchers

Functional Near-Infrared Spectroscopy/Optical Brain Imaging Lab Manager (2016 – Present)

Department of Psychology, CSUDH

- Trained new lab technicians in neuroimaging measures
- Trained new lab technicians in physiological measures
- Created protocols for experiments
- Assisted in analyses and writing
- Mentored lab technicians

Functional Near-Infrared Spectroscopy Lab Technician/Optical Brain Imaging Lab (2015 – 2016)

Department of Psychology, CSUDH

- Ran participants for various experiments
- Analyzed post-processing data
- Cleaned neuroimaging data
- Trained new lab technicians

Graduate Research Assistant (2015 – 2016)

Assessment Lab, CSUDH

- Assisted in projects
- Assisted in leading discussions
- Assisted in grading assignments
- Provided assistance in experimental design

PUBLICATIONS

Rosen, L. D., Carrier, L. M., **Pedroza, J. A.**, Elias, S., O'Brien, K. M., Lozano, J., Bentley, J., Ruiz, A., & Cheever, N. A. (Submitted for publication). "Instant" Gratification: The Role of Executive Functioning and Technological Anxiety (FOMO) on College Course Performance as Mediated by Technology Usage Habits. *Computers in Human Behavior*.

RESEARCH EXPERIENCE

Master's Thesis

Technology's Impact on Psychological Well-Being Independent of Negative Health Impacts in College Students (2015 – Present)

Supervisors: Larry Rosen, Ph.D., L. Mark Carrier, Ph.D., & Silvia Santos, Ph.D.

- Gathered and conducted literature review
- Generated and selected online survey instruments
- Analyzed and evaluated path model using SPSS

Pokemon GO and Meet Others: Technology's Effect on Physical Activity and Social Connectedness (2016-Present)

Supervisor: Larry Rosen, Ph.D.

- Gathered and conducted literature review
- Generated and selected online survey instruments
- Recruited participants

Differences in Prefrontal Cortex Activation and Executive Functioning Between Light and Heavy Technology Users (2015 – Present)

Supervisor: Larry Rosen, Ph.D., L. Mark Carrier, Ph.D., Alex Lim, M.A.

- Ran sessions utilizing a brain imaging device (fNIR)
- Evaluated behavioral data
- Cleaned neuroimaging data using fNIR.Soft
- Extracted neuroimaging data
- Analyzed neuroimaging data

Student Satisfaction in International Students (2015 – Present)

Supervisor: Thomas J. Norman, Ph.D. (Department of Marketing)

- Led group brainstorming discussions
- Conducted literature review
- Assisted in the development of measurement instruments

How Executive Functioning, Anxiety and Technology Use Impact College Students' Course Performance (2015-2016)

Supervisor: Larry Rosen, Ph.D.

- Assisted in the data collection procedures
- Troubleshoot issues with the data collecting app
- Organized and cleaned app data
- Collected and coded additional measures' data
- Assisted in analyses

Brain Imaging Study of Adult Latinas/os Who Translate (2015 – Present)

Supervisors: Alejandro Morales, Ph.D., Alex Lim, M.A.

- Ran sessions utilizing a brain imaging device (fNIR)
- Analyzed neuroimaging data
- Conducted literature review
- Cleaned neuroimaging data using fNIR Soft
- Assisted in writing manuscript

Technology's Impact on Well-Being Independent of Negative Health Impacts in College Students (2015)

Supervisor: Desiree Crevecoeur-MacPhail, Ph.D.

- Conducted literature review
- Tested measures to solidify thesis
- Distributed surveys via surveygizmo
- Cleaned and analyzed data using SPSS
- Designed the pilot study for thesis

Social Media Intervention to Promote Self-Efficacy in College Students with Type 1 Diabetes (2015)

Supervisor: Alejandro Morales, Ph.D.

- Created the study design
- Moderated participants' discussions
- Coded qualitative and quantitative data

Content Analysis of Type 2 Diabetes Interventions for Latinos (2013)

Supervisor: Alejandro Morales, Ph.D.

- Coded articles to examine differences in interventions
- Examined practicality and possible implementation of interventions
- Examined theory involved in interventions

PRESENTATIONS

Regional Conferences:

Pedroza, J. A., Franco, D., Franco, J. A. (2016, April). *Student Satisfaction in International College Students*. Presentation at the Western Decision Sciences Institute (WDSI), Las Vegas, Nevada.

Pedroza, J. A., Franco, J. A., Franco, D. (2016, April). *Google Glass: The Influence of Recording Interviews on Prefrontal Cortex Activation*. Presentation at the Western Decision Sciences Institute (WDSI), Las Vegas, Nevada.

Lim, A. F., **Pedroza, J. A.**, O'Brien, K., Ceja, L., & Jimenez, M. (2016, April). *Using Functional Near-Infrared Spectroscopy to Examine the Impact of Personal Technology Usage on Executive Functioning*. Symposium presented at Western Psychological Association Convention, Long Beach, California.

Morales, A., Lim, A. F., **Pedroza, J. A.**, & Jimenez, M. (2016, April). *New Developments in Language Brokering Research Among Latinas/os*. Symposium presented at Western Psychological Association Convention, Long Beach, California.

Local Conferences:

Pedroza, J. A. (2016, October) *Investigation of the Neural Correlates of Sex and Proficiency Level in Language Brokers: A Pilot Study Using Functional Near-Infrared (fNIR) Spectroscopy*. Poster presentation at South Bay Economic Forecast Conference, Carson, California.

Pedroza, J. A., O' Brien, K. O., Ceja, C., Lim, A. F., Carrier, L. M., & Rosen L. (2016, February). *Examination of Executive Functioning Behaviors: A Comparison between Light and Heavy Technology Users*. Presentation at Student Research Day, Carson, California.

Pedroza, J. A., O' Brien, K. O., Ceja, C., Lim, A. F., Carrier, L. M., & Rosen L. (2016, February). *A Comparison in Prefrontal Cortex Activity between Light and Heavy Technology Users*. Presentation at Student Research Day, Carson, California.

Pedroza, J. A., Jimenez, M., Lim, A. F., & Carrier L. M. (2016, February). *Examination of Language Brokers' Neural Activity in the Prefrontal Cortex*. Presentation at Student Research Day, Carson, California.

Pedroza, J. A. (2016, February). *Technology and Mental Well-being: A literature review examining media use and health factors' effects on mental health*. Poster presentation at Student Research Day, Carson, California.

Pedroza, J. A. (2013, March). *Latinos Living with Diabetes: A Content Analysis of Interventions for Self-Management*. Poster presentation at Student Research Conference, Pomona, California.

TEACHING EXPERIENCE

Graduate Teaching Assistant (Spring 2016)

PSY 415 & 416: *Advanced Research Methods in Cognitive Psychology*. Department of Psychology, CSUDH

Supervisor: Alex Lim, M.A.

- Graded assignments
- Assisted with students' experiment designs
- Held office hours
- Gave a guest lecturer

Graduate Teaching Assistant (Fall 2015)

PSY 235: *Intro to Research Methods*, Department of Psychology, CSUDH

Supervisor: Alex Lim, M.A.

- Graded assignments
- Assisted with students' experimental designs
- Held office hours
- Gave a guest lecture

Graduate Teaching Assistant (Fall 2015)

UNV 495: *Special Topics*, Assessment Lab, CSUDH

Supervisors: Mark L. Carrier, Ph.D., & Alex Lim, M.A.

- Edited papers
- Assisted in designing surveys
- Provided assistance in submitting abstracts to local conference
- Assisted in grading assignments

Undergraduate Teaching Assistant (Fall 2014)

PSY 455: *Human Sexual Behavior: Relationships*, Department of Psychology, Cal Poly Pomona

Supervisor: Alejandro Morales, Ph.D.

- Held office hours
- Guest lecturer on the scientific study of friendships
- Hosted study sessions for exams

SKILLS

- Proficient in SPSS (Statistical Package for the Social Sciences)
- Proficient in Microsoft Word, Excel, and PowerPoint
- fNIR Soft (fNIR data analysis software)
- COBI Studios (fNIR data acquisition)
- Acqknowledge (Physiological software)
- Certification of Completion for Substance Abuse Treatment
- Certification of training course in Trauma-Focused Cognitive Behavioral Therapy
- Human Participants Protection Education for Research Teams Certification – National Institutes of Health
- Collaborative Institutional Training Initiative – CITI Program
- Exposure to MatLab

AWARDS

Research Awards

- 1st Place Oral Presentation (2016) Examination of Executive Functioning Behaviors: A Comparison between Light and Heavy Technology Users. – CSUDH Student Research Day Conference
- 1st Place Oral Presentation (2016) A Comparison in Prefrontal Cortex Activity between Light and Heavy Technology Users. – CSUDH Student Research Day Conference
- Winning Paper and Poster Presentation (2016) Investigation of the Neural Correlates of Sex and Proficiency Level in Language Brokers: A Pilot Study Using Functional Near-Infrared (fNIR) Spectroscopy. – South Bay Economic Forecast Conference

SCHOLARSHIPS/FELLOWSHIPS

- Graduate Equity Fellowship (Summer 2016)
- Graduate Research Advancement & Development Grant (Spring 2016)

AFFILIATIONS

Western Psychological Association (2015) – Student Member
Western Decision Science Institute (2015) – Student Member
Psi Chi (2016) – Member

RELEVANT COURSEWORK

PSY 530 – Advanced Analysis of Variance and Multivariate Techniques
PSY 535 – Advanced Research Methods
PSY 570 – Community Psychology: Cultural Theory
PSY 576 – Health Research Seminar

REFERENCES

Larry D. Rosen, Ph.D.

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California State University, Dominguez
Hills
1000 E. Victoria St.
Carson, CA 90747
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