

JAZLYN ARMENDARIZ, B.A.

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EDUCATION

M.A. Projected 2023	Psychological Sciences California State University, Northridge
B.A. 2020	Psychology Minor: Child and Adolescent Development California State University, Northridge

CERTIFICATIONS

2022	Conflicts of Interests - <i>Collaborative Institutional Training Initiative</i>
2018	Protecting Human Research Participants - <i>National Institutes of Health</i>
2018	Training in Human Subjects Protection - <i>National Institutes of Health</i>
2018	Social-Behavioral-Educational Research - <i>Collaborative Institutional Training Initiative</i>
2017	Certified Peer Educator - <i>BACHHUS Initiatives of NASPA</i>
2016	Question, Persuade, Refer - <i>Gatekeeper Training for Suicide Prevention</i>

RESEARCH EXPERIENCE

2020 – present **Research Associate**

2018 – 2020 **Research Assistant**

Positive Augmented Research and Development Lab, Technology and Health Psychology
California State University, Northridge
PI: Thomas Chan, Ph.D.

- Design scalable, culturally relevant, accessible, user-centered, interventions and immersive experiences within augmented reality
- Test novel cognitive assessments using machine learning to promote user friendly and health equity technologies

2021 – present **Project Co-Lead**

Trust and Autonomy Mars Investigation
NASA Jet Propulsion Laboratory

PIs: So Young Kim-Castet, Ph.D., Basak Ramaswamy, Ph.D., and Scott Davidoff, Ph.D., & Thomas Chan., Ph.D.

- Examine human trust-building dynamics of JPL Scientists and Engineers towards autonomous systems
- Assist in data collection, synchronization, write-up, qualitative statistical analysis, and presenting of findings

2021 – present **Collaborator**

Europa Design Simulation I & II
NASA Jet Propulsion Laboratory

PIs: So Young Kim-Castet, Ph.D., Basak Ramaswamy, Ph.D., and Scott Davidoff, Ph.D., & Thomas Chan., Ph.D.

- Examine human-team interactions between JPL Scientists and Engineers on planning and negotiation to promote team performance
- Assist in ethnographic data collection through behavioral observations, synchronization, write-up, qualitative statistical analysis, and presenting of findings

2018 – 2020 **Researcher**

2017 – 2018 **Research Assistant**

Visual Information Sciences in Neuroscience lab, Cognitive Neuroscience
California State University, Northridge
PI: Stefanie Drew, Ph.D.

- Investigated the extended use of immersive virtual reality technologies on the visual system
- Performed statistical analysis, graphed, organized, and reviewed data for multiple projects

2020 **Summer Training Academy for Research Success Program (STARS)**

The Social Cognition and Learning lab, Developmental Psychology and Neuroscience
University of California, San Diego
PI: Dr. Lindsey Powell

- Write up for pre-registration on human infants' understanding of their social world and capacities for learning from others
- Produced audio recordings and incorporated them within experiments

2019 **Research Assistant**

Chub-Wright Lab, Cognitive Neuroscience of Attention, Perception and Psychophysics
University of California, Irvine
PI: Charles Wright, Ph.D.

- Worked within MatLab to run multiple variations of the centroid paradigm
- Created charts of selectivity and efficiency

2018 **Research Initiative for Scientific Enhancement (RISE), Biomedical Research Methods Workshop**

California State University, Northridge
PI: Maria Elena Zavala, Ph.D.

- Rotations in biomedical labs ranging from a variety of disciplines (i.e. Biology, Chemistry, Psychology, etc.)
- Several short courses regarding different areas of biomedical research (i.e. Research & Ethics, Neuroscience, Microbiology, etc.)

RESEARCH PRESENTATIONS

Armendariz, J.A., Hwang, S., Blanco, G., Pena, M. & Chan, T. (2021, November). *Examining stereotype threat in neuropsychological testing: A usability and user experience pilot study*. Poster session presented virtually at the annual meeting of the Gerontological Society of America, Phoenix, AZ.

Hwang, S., **Armendariz, J.A.**, Argueta, J., Fruht, V., & Chan, T. (2021, November). *Piloting an augmented reality life review experience to promote mental health outcomes in aging Asian American women*. Poster session presented virtually at Gerontological Society of Aging Annual Scientific Meeting, Phoenix, AZ.

Chan, T., Argueta, J., **Armendariz, J.A.**, Graham, A., Hwang, S., Kim-Castet, S., Ramaswamy, B., &

Davidoff, S. (2021, November). *Human-Computer interaction glow up: Examining operational trust and intention towards Mars autonomous systems*. Paper presented virtually at the annual meeting of Accelerating Space Commerce, Exploration, and New Discovery, Las Vegas, NV.

Armendariz, J.A., Awad, M.F., Lachia, I.J., Krause, A.X., Gabay B., Morales, R., Hinkle-Lipsker, D., Drew, S.A. (2019, October). *Examining motor abilities and skill transfer within a virtual environment*. Poster session presented at the annual meeting of the Society for Neuroscience, Chicago, Illinois.

McGinnis, C.A., **Armendariz, J.A.**, Awad, M.F., Kangavary, A., Vidamuerte, D., Hinkle-Lipsker, D., Drew, S.A. (2019, October). *The optometric effects of virtual reality*. Poster session presented at the annual meeting of the Society for Neuroscience, Chicago, Illinois.

Awad, A.F., Del Cid, D.A., Mosher, R., Kangavary, A., **Armendariz, J.A.**, & Drew, S.A. (2018, November). *Mediated relationship of academic issues and oculomotor insufficiency in diverse populations*. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.

Mosher, R., Lundqvist, S.A., Hackney, B., Morales, R., **Armendariz, J.A.**, & Drew, S.A. (2018, November). *Examining changes in oculomotor function after immersive virtual reality use*. Poster session presented at the annual meeting of the Society for Neuroscience, San Diego, CA.

Lundqvist, S.A., Buenrostro, J., Morales, R., **Armendariz, J.A.**, Rutchick, A.M., & Drew, S.A. (2018, May). *Are synesthetes more creative? A study measuring level of creativity in the synesthetic population*. Poster session presented at the annual meeting of the Association for Psychological Sciences, San Francisco, CA.

Campus Research Presentations

Armendariz, J.A., Pena, M.C., & Chan, T. (2021, April) *Examining the use of speech-based digital biomarkers and machine learning to facilitate change in how neuropsychological assessments are conducted*. Poster session presented virtually at the annual CSUN Student Research and Creative Works Symposium, Northridge, CA. *(second place)

Armendariz, J.A., Larranaga, D., Awad, M.F., Hackney, B., Kangavary, A., & Drew, S.A. (2019, April) *A MUSE and Insights; comparison between commercially available EEG technologies*. Poster session presented at the annual CSUN Student Research and Creative Works Symposium, Northridge, CA.

McGinnis, C.A., Del Cid, D.A., Awad, M.F., **Armendariz, J.A.**, Delgado, C.Y., & Drew, S.A. (2019, April). *The Effect of Animated Text on Visual Attention*. Poster session presented at the annual CSUN Student Research and Creative Works Symposium, Northridge, CA.

Armendariz, J.A., Doty, T., Awad, M.F., & Drew, S.A. (2018, April). *The effects of virtual reality use on oculomotor function*. Poster session presented at the annual CSUN Student Research and Creative Works Symposium, Northridge, CA.

Doty, T., **Armendariz, J.A.**, Delgado, C., McGinnis, C.A., & Drew, S.A. (2018, April). *Effects of virtual reality on the visual accommodative system*. Poster session presented at the annual CSUN Student Research and Creative Works Symposium, Northridge, CA.

Delgado, C., Del Cid, D.A., Buenrostro, J., **Armendariz, J.A.**, & Drew, S.A. (2018, April). *Interpreting virtual reality visual discomfort through surveys*. Poster session presented at the annual CSUN Student Research and Creative Works Symposium, Northridge, CA.

PUBLICATIONS

- Chan, T., Argueta, J., **Armendariz, J.A.**, Graham, A., Hwang, S., Ramaswamy, B., Kim, S., & Davidoff, S., (2021). Human-Computer interaction glow up: Examining operational trust and intention towards Mars autonomous systems. *American Institute of Aeronautics and Astronautics: Accelerating Space Commerce, Exploration, and New Discovery Technical Work*.
- Drew, S.A., Awad, M.F., **Armendariz, J.A.**, Gabay, B, Lachica, I.J., & Hinkel-Lipsker, J.W. A perceptual-motor examination of virtual reality training and real-world transfer. *Frontiers in Sports and Active Living*, 2, 59.

INVITED TALKS

- 2022 *Europa Sim II: Human-AI Teaming Ethnographic Observations of Behavioral Trust & Functioning*.
Invited presenter by Lander GITL Working Group members. January 26, 2022.

PROFESSIONAL ACTIVITIES

- 2022 AD Hoc Reviewer: Psychology and Aging
 2021 – present Gerontological Society of America
 2021 AD Hoc Reviewer: The Journals of Gerontology - Series B: Psychological & Social Sciences
 2018 – present Society for Advancement of Chicanos/Hispanics & Native Americans in Science
 2018 – present Association for Psychological Sciences
 2018 – present Society for Neuroscience

CAMPUS INVOLVEMENT

- 2022 – present Pedagogical Assistant for Gerontology class
- Provide assistance in grading assignments and exams
 - Assist students with clarifying lecture material
 - Aid in creating assignments and modifying lecture material
- 2019 Pedagogical Assistant for Introduction to Psychology class
- Aided in grading assignments and exams
 - Proctored exams for a classroom of over 200 students
 - Assisted students with clarifying lecture material
- 2019 – 2020 Center of Achievement in Psychological Sciences (CAPS)
- Mentor freshman and sophomores by providing resources and guiding them towards achieving their personal and academic goals
 - Promote academic workshops to students throughout the semester
 - Provide a safe space for students to connect with each other through their academics
- 2016 – 2018 The Blues Project
- A peer education program whose mission is to spread awareness on depression and suicide prevention through psycho-educational presentations to hundreds of students
 - Facilitating workshops, creating engaging activities, providing resources, and promoting student wellness and success
- 2016 – 2017 The Blues Project | Secretary
- Contributed to receiving a generous donation by *Nestle*
 - Helped create a handbook for future executive board members
 - Took note of important events, ideas, and interviewed prospective members

AWARDS

- 2022 – present **NASA – ARCS Associate**
Autonomy Research Center for STEAHM
California State University, Northridge
- 2021 **Preliminary/Proposal project, 2nd place**
Student Research and Creative Works Symposium
California State University, Northridge
- 2020 – present **Bridges to Doctorate Training Program Scholar**
National Institutes of Health
- 2018 – 2020 **Research Initiative for Science Enhancement (RISE) Scholar**
National Institutes of Health

SKILLS

- **Languages:** English, Spanish
- **Operating Systems:** Windows and Mac
- **Descriptive and Inferential Statistics:** SPSS & Rstudio
- **User Experience Research:** Ethnographic, Qualitative interviews
- **Survey Software:** Qualtrics
- **Database:** Airtable
- **Design:** Canva, Procreate
- **Augmented Reality headset:** Microsoft HoloLens, Magic Leap
- **Virtual Reality headset:** Oculus Rift, HTC Vive
- **Battery of neuropsychological assessments:** NIH-Toolkit Box, Carlson-X Application
- **Optometric tests:** Stereopsis, Fixation disparity, Accommodation, & Vergence