

Diana Martinez

Curriculum Vitae

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Education

University of Houston

Bachelors of Science in Psychology

Minor in *Biology*

3.56 GPA

Expected May 2025

Houston Community College

Associates in Psychology

3.903 GPA

Graduated May 2023

Relevant Coursework

Introduction to Methods in Psychology, Introduction to Psychology Statistics, Human Development and Interventions, Biological Psychology, Introduction to Social Psychology, Neuroscience, Abnormal Child Psychology, Mendelian and Population Genetics, Psychology of Personality, Cognitive Psychology, Clinical Psychology

Research Experience

Developing Systems Lab - University of Houston

Principal Investigator: Dr. Jeremy I. Borjon

Lead Research Assistant

January 2025 - Present

- Contribute to the lab's goal of understanding children's behavior to best accommodate their growth and development, focusing on infants and children ages 9-24 months.
- Assist in participant recruitment via social media, family events, and local community partnerships.
- Lead participant data collection sessions involving the use of head-mounted eye tracking devices, and wireless cardiorespiratory sensors, while ensuring accurate and high-quality data.
- Prepare data for analysis by performing vocalization coding using BORIS - Behavioral Observation Research Interactive Software.

Youth and Family Studies Lab - University of Houston

Principal Investigator: Dr. Amanda C. Venta

Research Assistant

October 2024 - Present

- Contribute to analysis of research data collected at the Texas-Mexico border, focusing on experiences and psychological effects of the immigration process in asylum-seeking adults and children.

- Conduct literature searches supporting and contextualizing findings.
- Communicate research findings through research presentations and literature writings.

Genetic and Neurobehavioral Systems: Interdisciplinary Studies Lab

(GENES:IS) - University of Houston

Principal Investigator: Dr. Elena L. Grigorenko

Lead Research Assistant

July 2024 - Present

- Lead participant data collection sessions while supervising 2-4 other undergraduate research assistants.
- Conduct and receive informed consent from participants, ensuring their understanding of procedures, purpose, risks, and benefits of the study.
- Responsible for electroencephalograph (EEG) and functional near-infrared spectroscopy (fNIRS) neuroimaging data while conducting multiple cognitive tasks.
- Administer epigenetic and genetic data collection, ensuring proper labeling and storage.
- Assist in data analysis and contribute to literature writing.

Inventory Manager

August 2024 - December 2024

- Maintained an accurate inventory of lab materials, including biological specimens and specialized research equipment.
- Prepared and submitted detailed inventory reports on a weekly basis.
- Worked closely with lab staff to source and purchase specific research materials while managing costs within the study budget.

Research Assistant

October 2023 - July 2024

- Assisted in the recruitment of over 400 participants for a study investigating behavioral and biological predictors of performance in adults and a pilot session investigating neuroimaging techniques and hair type.
- Assisted during data collection sessions, providing instructions and aiding in the preparation of participants for different administrative tasks.
- Performed data entry using Excel and aided in data cleaning tasks.

Work Experience

Walgreens Pharmacy - Houston, TX

Shift Lead

August 2020 - Present

- Lead and train a team of 12 members, assigning tasks and ensuring accurate and efficient completion of responsibilities.
- Ensure compliance with safety regulations and company policies, including loss prevention and controlled substances management.
- Utilize store performance datasets to track metrics such as daily sales, labor efficiency, and customer service scores.
- Manage cash handling, including monitoring register activity, resolving cash discrepancies, and performing bank deposits.
- Assist pharmacy team with workflow management, immunization registrations, customer inquiries, and prescription pickups, enhancing service efficiency.
- Address and resolve customer and patient concerns for both the front-end and pharmacy.

Involvement

ALHAA - Association of Latinx/Hispanic Advocates and Allies

University of Houston

Member

August 2023 - Present

- Create a unified community amongst University of Houston students through campus events while learning about the cultural and political issues affecting Latinx countries and communities.

BPA - Business Professionals of America

Tejano Center for Community Concerns - Houston, TX

President

August 2019 - May 2023

- Planned and coordinated local events focused on improving Latinx community engagement and support by:
 - Hosting bi-weekly food drives in partnership with the Houston Food Bank.
 - Leading annual blood drives in collaboration with the Gulf Coast Regional Blood Center.
 - Hosting educational seminars, informing families on general social issues and providing available resources.

Awards and Scholarships

Undergraduate Research Travel Fellowship (\$500)

Spring 2025

Transfer Excellence Scholarship (\$4,000)

Fall 2023 - Present

Houston Livestock and Rodeo Scholarship (\$20,000)

Fall 2021 - Present

Eagle Promise Scholarship (\$2,000)

Fall 2021 - Spring 2023

Dean's List

Fall 2021 - Fall 2023

Publications

Martinez, D., O'Connell, D., Cuervo, M., Bautista, A., Garcini, L., Mercado, A., Payan, T., McDade, T., & Venta, A. (In-prep). *Somatization in immigrants at the Texas-Mexico border: The role of both trauma and post-traumatic stress symptoms.*

Miller, B., **Martinez, D.**, Konopleva, K., Arredondo, V., Grigorenko, E. (In-prep). *Sex differences in Cybersickness severity and its effects on inhibition.*

Presentations

Martinez, D., O'Connell, D., Cuervo, M., Bautista, A., Garcini, L., Mercado, A., Payan, T., McDade, T., & Venta, A. (April, 2025). *Somatization in immigrants at the Texas-Mexico border: The role of both trauma and post-traumatic stress symptoms.* Poster presented at the 2025 Mid-South Psychology Conference, Memphis, TN.

Skills

- Spanish - Fluent Speaker
 - Microsoft Office Suite (Excel, Word, Outlook)
 - Canva
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Research Skills

- Qualtrics
- REDCap
- Electroencephalogram (EEG)
- Functional near-infrared spectroscopy (fNIRS)