ENILDA M. VELAZQUEZ

CURRICULUM VITAE
UNIVERSITY OF CENTRAL FLORIDA, DEPARTMENT OF PSYCHOLOGY

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EDUCATION

Ph.D., Human Factors and Cognitive Psychology
University of Central Florida, Orlando, FL
GPA: 3.98, Anticipated: 2027

M.A., Applied Experimental and Human Factors Psychology
University of Central Florida, Orlando, FL
GPA 3.98

B.S., Psychology, Human-Factors Track
Minors: Intelligence and National Security, Cognitive Science
University of Central Florida, Orlando, FL

AWARDS & HONORS

National Eye Institute Early Career Scientist Travel Grant, *Vision Sciences Society for the 2025 Vision Sciences Society Annual Meeting*, February 2025

Science Mathematics and Research for Transformation (SMART) Scholarship-for-Service, *U.S. Department of Defense (DoD),* April 2024 – Present
Sponsoring Facility: U.S. Army DEVCOM C5ISR Center – Ft. Belvoir, Virginia
SMART Mentor: Dawne Deaver, MS

Graduate Dean's Fellowship, *University of Central Florida*: August 2022 – July 2023

PEER-REVIEWED PUBLICATIONS

Conference Abstracts

Velazquez, E. M., Roque, N.A. (2025, May). Impact of Global and Local Clutter on Visual Search Efficiency and Attentional Guidance. *Journal of Vision*. In press.

Velazquez, E., Flores-Cruz, G., & Roque, N. (2024). Detection of AI-Generated Images: A Mixed Methods Study On Age-Related Differences. *Innovation in Aging*, *8*, 1301-1301. https://doi.org/10.1093/geroni/igae098.4158

Velazquez, E., & Roque, N. (2024). Assessing The Effect of Stimuli Complexity in Web-Based Visual Foraging. *Journal of Vision*, 24(10), 742-742. https://doi.org/10.1167/jov.24.10.742

Conference Proceedings

Codick, E., Donovan, J. M., **Velazquez, E. M.**, Doheny, M. M., & Mouloua, M. (2024, August). One Game, Multiple Platforms: Enhancing Usability and Accessibility in Dead by Daylight. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (p. 10711813241275906). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/10711813241275906

Velazquez, E.M., & Mouloua, M. (2021, September). Understanding aggressive driving: the role of personality and individual differences. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 65, No. 1, pp. 972-976). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/1071181321651345

CONFERENCE PRESENTATIONS

Posters

Velazquez, E. M., Roque, N.A. (2025, May). Impact of Global and Local Clutter on Visual Search Efficiency and Attentional Guidance. Poster session presented at 2025 Vision Sciences Society Annual Meeting, St. Petersburg, Florida. Accepted.

Velazquez, E.M., Hancock, P.A. (205, March). Impacts of (AI)geism. Poster session presented at 2025 University of Central Florida's 2025 Student Scholar Symposium, Orlando, Florida. Accepted.

Velazquez, E. M., Andrews, H., Roque, N.A., Hancock, P.A. (2025, March). Impact of Device Type on Visual Cognition. Poster session presented at 2025 Applied Ergonomics Conference, Orlando, Florida. Accepted.

Velazquez, E., Flores-Cruz, G., & Roque, N. (2024). Detection of AI-Generated Images: A Mixed Methods Study On Age-Related Differences. Poster session presented at Gerontological Society of America 2024 Annual Meeting (GSA 2024), Seattle, Washington, https://www.geron.org .

Codick, E., Donovan, J., **Velazquez, E. M.,** Doheny, M. M., Mouloua, M. (2024, September 9 – 13). One Game, Multiple Platforms: Enhancing Usability and Accessibility in Dead by Daylight (DBD). Poster session presented at 68th Human Factors and Ergonomics Society International Annual Meeting (ASPIRE), Phoenix, Arizona, https://www.hfes.org/Events/ASPIRE-The-International-Annual-Meeting/ .

Velazquez, E. M., & Roque, N. A. (2024, May 17 – 21). Assessing The Effect of Stimuli Complexity in Web-Based Visual Foraging. Poster session presented at Vision Sciences Society Annual Meeting, St. Pete Beach, Florida, https://www.visionsciences.org/ .

Velazquez, E. M., Roque, N. A., P.A. Hancock (2024, March 27). How 'real-world' complexity impacts visual search: insights from a web-based foraging task. Poster session presented at University of Central Florida's 2024 Student Scholar Symposium, Orlando, Florida, https://researchweek.ucf.edu/symposium/ .

Velazquez, E. M., & Mouloua, M. (2021, October 4-7). Understanding aggressive driving: the role of personality and individual differences. Poster session presented at 65th Annual Meeting of the Human Factors and Ergonomics Society, Baltimore, Maryland, https:///www.hfes.org/.

THESES

Velazquez, E. M. (2020) Understanding Aggressive Driving Behavior: The Role of Personality and Individual Differences. *Honors Undergraduate Theses*. 853. https://stars.library.ucf.edu/honorstheses/853

RESEARCH EXPERIENCES

Graduate Researcher, MIT2 Lab, Department of Psychology
University of Central Florida
August 2022 – Present
Funded under the DoD SMART Scholarship-for-Service (August 2024 – Present)

Graduate Researcher, Context Lab, Department of Psychology
University of Central Florida
August 2022 – August 2023

Graduate Research Assistant, Transportation Research Group, Department of Psychology
University of Central Florida
January 2021 – March 2022

Co-Principal Investigator, Honors Undergraduate Thesis, Transportation Research Group
Department of Psychology, University of Central Florida
January 2020 – December 2020

TEACHING EXPERIENCES

Teaching Assistantship

Graduate Teaching Assistant, Department of Psychology
University of Central Florida
August 2022 – August 2024

Guest Lectures

Lectured for UCF SOP 3723, SOP 2772, SOP 3004, DEP 2004
Invited by Martha Hubertz, PhD
University of Central Florida
April 3, 2023

LEADERSHIP

President, *Human Factors and Ergonomics Society Student Chapter at the University of Central Florida*
January 2024 – December 2024

Social Media Manager, *Human Factors and Ergonomics Society Student Chapter at the University of Central Florida*
June 2023 – December 2024

Outreach Chair, *Human Factors and Ergonomics Society Student Chapter at the University of Central Florida*
January 2023 – December 2023

SERVICE

Applied Research Session Moderator, *2025 Applied Ergonomics Conference*
Student Volunteer – Materials and Logistics Support, *2025 Applied Ergonomics Conference*
Student Volunteer – Digital Content Assistant, *64th Annual Meeting of the Human Factors and Ergonomics Society*

MEMBERSHIPS

Graduate Student Member, Vision Sciences Society
Student Affiliate Member, *Perception and Performance Technical Group Member*, Human Factors and Ergonomics Society
Graduate Student Member, American Psychological Association

TECHNOLOGY SKILLS

Computing
Proficient with Windows operation systems and familiar with Linux Ubuntu for basic tasks and configurations.
Proficient with VirtualBox for configuring and managing virtual machines as part of beginner-level development projects.
Proficient with Microsoft Office Suite, Google Suite, and Notion organizational tools for project management.

Programming
Experienced in the following programming languages: R (intermediate), Python (beginner).
Skilled in using Linux command line for various operational tasks.

Data Science & Statistics
Data processing and advanced statistical analysis and modeling techniques with R and SPSS (intermediate).
Familiar in advanced machine learning techniques using R, including binomial and multinomial logistic regression, decision trees, random forests, XGBoost, and k-means clustering.

Experimental Design
Familiar with development of web-based, responsive, visual foraging experimental tasks for use on mobile and desktop devices.
Skilled in utilizing OpenSesame for the creation of local visual search experiment applications.
Experienced in web-based participant recruitment and data collections through various platforms including UCF SONA and Prolific.
Advanced skill in utilizing Qualtrics for survey development and deployment, including integrating web-based tasks within surveys for remote research.

Hardware Training
Trained in data collection with GE I-SIM Patrol simulator v2.0 (with OPCON software).
Experienced in using Electrocardiogram (ECG) for physiological data collection.

Design
Proficient with Adobe Photoshop, Illustrator and Lightroom for image stimuli development and basic photo editing.
Proficient with Figma for experimental design prototyping, low fidelity & high fidelity application wireframing.
Proficient with Canva for graphic design and social media content creation.