

**Erika De Los Santos**  
**edeloss@masonlive.gmu.edu**  
**512-584-3225**

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**Education**

**PhD – Human Factors and Applied Cognition,**  
*George Mason University*

*May 2023 (anticipated)*  
Fairfax, VA

**B.A. – Psychology,**  
*Texas Tech University Honors College*  
Minor: English  
Summa Cum Laude

*December 2017*  
Lubbock, TX

**Research Experience**

**Graduate Research Assistant**  
George Mason University, Fairfax, VA

*August 2018 - Present*

- Working with transcranial direct current stimulation (tDCS) to investigate the effects of stimulation on video game training with regards to near transfer to working memory and other cognitive tasks
- The above research also involves the use of Transcranial Doppler (TCD) ultrasonography to measure the velocity of blood flow to the brain during high and low cognitive tasks

**Research Assistant for Dr. Pat Delucia**  
Texas Tech University, Lubbock, TX

*June 2016 – December 2017*

- Collected data for a study that examined the effects of feedback on individuals' time-to-contact judgements
- Conducted literature reviews on several different topics, including objective nurse evaluations of infants
- Edited programs in SAS for a more efficient design

**Research Assistant for Dr. Michael Serra**  
Texas Tech University, Lubbock, TX

*August 2016 – December 2017*

- Independently designed and conducted a qualitative research study
- Scored data in SPSS to define trends and analyze results
- Worked with several different Cognition graduate students to re-design their online studies
- Conducted literature reviews on animacy and its relation to memory

**Research Assistant for Dr. Keith Jones**  
Texas Tech University, Lubbock, TX

*August 2015 – June 2016*

- Conducted data analysis for an in-lab usability study that evaluated new gesture technology
- Documented errors that occurred during data collection and developed new techniques to aid user error
- Conducted interviews of elderly participants with disabilities in an effort to design computer-based technologies to better fit their needs; was accepted onto grant study within first year in lab
- Conducted literature review and collected data for a study that evaluated human judgement in regards to robotic technology

## Professional Work

### Senior Research Associate

*June 2019 - August 2019*

Medstar Health, Washington D.C.

- Conducted extensive literature reviews over topics related to patient care, physician usability, instructional design, and mental health related to healthcare
- Observed and conducted task analyses in different healthcare departments including trauma, neurocognitive disorders, and simulation training
- Conducted statistical analyses and developed re-usable spreadsheets for inter-rater reliability measurements
- Shadowed usability interviews for the design of a serious game

### UX Designer

*December 2019 - January 2020*

Unique Perception, Austin, TX

- Designed and prototyped the webpage for a start-up company
- Performed competitor analyses
- Designed user personas

## Teaching Experience

### Teaching Assistant

*August 2019 - Present*

George Mason University, Fairfax, VA

- Disseminate course information
- Guest lectures on human factors research
- Facilitate class discussion
- Create and grade exams, quizzes, in-class activities, and journal submissions
- Design and lead lectures each week

## Leadership

### President of the HFES Student Chapter

*August 2019 - Present*

George Mason University, Fairfax, VA

- Organize events including volunteer events and learning nights.
- In charge of finding guest lecturers, securing funding, and ensuring that each event is conducive to achieving HFES' Gold Status.

## Presentations

Krukas, A. J., Sadaf, K., & **De Los Santos, E. P.** (2019, July). "Nurse Medication Administration: Developing and Piloting a Task Tracker", Poster sessions presented at MedStar Health National Center for Human Factors in Healthcare, Washington, DC.

Russell, E., **De Los Santos, E. P.**, & Peterson, M. S. (2019, May). Examining Attention Shifting in Individuals Who Do Not Demonstrate an Attentional Blink. Poster session presented at the Vision Science Society, St. Petersburg, FL.

**De Los Santos, E. P.**, & Serra, M. S. (2018, April). Do Food Items Demonstrate an Adaptive Memory Advantage? Poster session presented at the Midwestern Psychological Association, Chicago, IL.

## Awards

Jhoon Rhee Web Design, 2nd Place

*May 2019*