

Michelle Hester

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Curriculum Vitae

EDUCATION

- MS Human Factors Psychology**
University of Idaho, Moscow, ID May 2016
- BS Psychology, Political Science Minor**
University of Central Florida, Orlando, FL May 2012

PROFESSIONAL EXPERIENCE

- EH&S Ergonomist Intern**, Schweitzer Engineering Laboratories (SEL), Pullman, WA
Mentor: Ed Havey, Spring/Summer 2016
- Evaluated 11 major areas for soft-tissue injury risk in two factory campuses using quantitative and qualitative data to improve productivity and safety
 - Identified user needs and provided solutions to office and industrial ergonomic challenges
 - Developed three detailed procedures for the implementation of well-rounded and comprehensive ergonomics and safety programs

RESEARCH EXPERIENCE

- Graduate Research Assistant**, University of Idaho, Moscow, ID
Faculty Advisor: Dr. Brian Dyre, Idaho Visual Performance Lab 2014-Present
- Trust and Performance with Autonomous Systems: Explored human factors issues as they pertain to autonomous vehicles and systems

- Graduate Research Assistant**, University of Idaho, Moscow, ID
Faculty Advisor: Dr. Steffen Werner, Cognition and Usability Lab 2014-2016
- Evaluations of RSVP: Explored different aspects of Rapid Serial Visual Processing in text presentations as they pertain to current media and technology

- Undergraduate Research Assistant**, University of Central Florida, Orlando, FL
Faculty Advisor: Dr. Peter Hancock, MIT² Lab 2011-2014
- Cognitive Interruptions: Analyzed the impact of interruptions (negative, positive, related, and unrelated) on memory recall
 - Cross-Modal Sensory Cueing: Compared the use of controlled, auditory, and tactile cues during a visual target search in measures of accuracy and speed
 - Physiological indicators of Trust in HRI: Tested objective measures (behavioral cues and psychological markers) in order to determine trust levels in human-robot interactions.
 - Robot Trust/Features: Considered how a robot's fundamental attributes (such as color, texture, or material) impacted the human perception of the robot's internal characteristics
 - Resolving Ambiguous Attributes in Robots: Explored the effects of context (scenic backgrounds) on previously ambiguous attributes given to robots based on physical features that resulted in conflicting characteristics.

- Undergraduate Research Assistant**, University of Central Florida, Orlando, FL
Faculty Advisor: Dr. Leslie DeChurch, D.E.L.T.A. Lab 2011
- MTS: Surrealism Phase 3: Used instant text messaging, auditory, and visual virtual communication tools in order to explore the degree of communication used between multi-team systems to share information to complete a common goal.

TEACHING EXPERIENCE

Graduate Teaching Assistant, University of Idaho, Moscow, ID

Dr. Todd Thorsteinson, Survey of Contemporary Psychology Fall 2015/Spring 2016

- Monitored weekly classes and corresponded with the guest speaker for each week
- Evaluated assignments turned in by students
- Responded to student questions and held office hours by appointment

Graduate Teaching Assistant, University of Idaho, Moscow, ID

Dr. Kacy Pula, Research Methods/Introduction to Psychology Fall 2015/Spring 2016

- Evaluated assignments turned in by students
- Corresponded with the instructor of record on a weekly basis
- Proctored exams for Introduction to Psychology

Graduate Teaching Assistant, University of Idaho, Moscow, ID

Dr. Diane Carter, Fundamentals of Public Speaking Fall 2014/Spring 2015/Fall 2015

- Instructed seven sections of COMM 101 of about 26 students each (50 minute lectures twice a week for each section)
- Evaluated speeches and paper assignments written by students
- Met monthly with instructor of record and other TAs to go over teaching methods and strategies

Undergraduate Teaching Assistant, University of Central Florida, Orlando, FL

Dr. Daniel McConnell, History and Systems of Psychology Spring 2012

- Evaluated short and long essay questions on examinations taken by students
- Advised students in psychology degree related matters
- Explained material taught in class while addressing questions from undergraduate students

Undergraduate Teaching Assistant, University of Central Florida, Orlando, FL

Dr. Alisha Janowsky, General Psychology Summer 2011

- Summarized material presented in the textbook
- Responded to questions asked by undergraduate students
- Held open office hours once a week in order to assist students

PUBLICATIONS

Hester, M. Werner, S. Greenwald, C. & Gunning, J. Exploring the Effects of Text Length and Difficulty on RSVP Reading. In Proceedings of the Human Factors and Ergonomic Society 2016 (60th) Annual Meeting. Washington, D.C.

PRESENTATIONS

Hester, M. Yi, I. Andrade, C. Wright, J.L., Hancock, P.A. The Role of Scenic Contextual Information in Resolving Ambiguous Attributes in Robots. Poster presented at the 2014 Human Factors and Applied Psychology Student Conference, Daytona, FL, April 2014.

SKILLS

Computer

Microsoft Office, Adobe Creative Suite, Eye-tracking, Qualtrics, Survey Monkey, Amazon Mechanical Turk, Google Sketchup, Blender, R, SPSS, GIMP, InVision, Basic Knowledge of HTML and CSS

HF Design

Task Analysis, Prototyping, User Centered Design Principles, Personas, Wireframes, Front-End Analysis, Iterative Design, Heuristic Evaluations, Site Analysis, Interviews, Ergonomic tools (REBA, RULA, NIOSH, 3DSSPP, etc.)

Certifications

National Institutes of Health (NIH), Collaborative Institutional Training Initiative (CITI)

ADDITIONAL EXPERIENCE

Universal Studios Florida, Orlando FL

Line Production Cook in the Three Broomsticks at IOA

Summer Season 2014

- Worked with kitchen and wait staff to provide quality customer services while maintaining the theme of the area (Harry Potter)
- Assisted in the cooking and plating of food for the guest of the restaurant
- Maintained a clean workspace and assisted in the nightly cleaning of the kitchen

UCP of Central Florida, East Orange/Bailes Campus, Orlando FL

Teaching Assistant of children with special needs

2012-2014

- Taught typical and special needs students (between pre-K and 5th grade) grade appropriate material in inclusion style classrooms
- Assisted special needs students in meeting their IEP and therapy goals
- Collaborated with team members to develop individualized plans and treatments for students with special needs and organize classroom schedule to best match the needs of the 14-16 student class size

Kelly Services, Lake Mary FL

Standardized Test Scoring Evaluator

Summer 2013/2014

- Evaluated an average of 700 standardized test questions per shift
- Completed nightly qualification assessments in subjects such as English, Science, Math, and Writing
- Worked with team members to meet the goals set by the supervisor and clients