

Adam D. Sitz

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EDUCATION

Old Dominion University

M.S. Applied Experimental Psychology

- Human Factors Graduate Program

Norfolk, VA
2012 – 2014

University of Dayton

B.S. Psychology, Minor in Biology

- Graduated *Cum Laude*
- Chaminade Scholar

Dayton, OH
2008 – 2012

RELEVANT SKILLS

Computer:

HTML
CSS
PHP
JavaScript
MySQL
Windows
Mac OSX

Human Factors:

User Testing
Hierarchical Task Analysis
Cognitive Walkthrough Analysis
Situational Awareness Analysis
Interface Analysis
Heuristic Analysis
Human Error Identification

Research Methods:

Mockups/Prototyping
Experimental Design
Correlational Design
Power Analysis
ANOVA/ANCOVA
Regression Analysis
Literature Review

RELEVANT EXPERIENCE

Old Dominion University

Research Assistant, Human Factors Program

Norfolk, VA
August 2012 – December 2014

- Designed and constructed data collection web pages
- Created web pages incorporating responsive design principles
- Managed large online data sets
- Improved writing abilities (research proposals, manuscripts, etc.)
- Evaluated users' perception of audiotactile cues presented at different levels of asynchrony
- Currently completing Master's degree project evaluating vibrating cues mapped onto external objects (e.g., cell phone or joystick) as a means of conveying nearby target location

Air Force Research Laboratory

Research Assistant, Human Effectiveness Directorate

Wright-Patterson Air Force Base, OH
May 2011 – August 2012

- Conducted user trials evaluating a multimodal communication management system designed to improve command and control operators' performance under high workload conditions
- Performed mental workload analyses
- Assisted in the creation of a simulated group decision-making task to assess the effects of injected misinformation on distributed operator performance
- Actively participated in the experimental design and data analysis process for multiple research projects
- Assessed speech-to-text intelligibility at controlled levels of transcription accuracy
- Contributed to the writing and publication of research papers

PROFESSIONAL AFFILIATIONS

User Experience Professionals Association
Human Factors and Ergonomics Society

2014 – Current
2012 – Current

FELLOWSHIPS

Virginia Space Grant Consortium Research Fellowship, \$5,000 (one year renewal)

2013 – 2014

PROFESSIONAL PRESENTATIONS

- Sitz, A.** & Brill, J. C. (2014, April). *An object-centered vibrotactile display for spatial localization in aerospace systems*. Paper presented at the Virginia Space Grant Consortium Research Conference, Hampton, VA.
- Sitz, A.** & Brill, J. C. (2013, October). *Limits of asynchrony and spatial incongruence for unified audiotactile cues*. Paper presented at the Human Factors and Ergonomics Society 57th Annual Meeting, San Diego, CA.
- Finomore, V., **Sitz, A.**, Blair, E., Rahill, K., Champion, M., Funke, G., Mancuso, V., & Knott, B. (2013, October). *Effects of cyber disruption in a distributed team decision making task*. Paper presented at the Human Factors and Ergonomics Society 57th Annual Meeting, San Diego, CA.
- Finomore, V., Satterfield, K., **Sitz, A.**, Castle, C., Funke, G., Shaw, T., & Funke, M. (2012, October). *Effects of the multi-modal communication tool on communication and change detection for command & control operators*. Paper presented at the Human Factors and Ergonomics Society 56th Annual Meeting, Boston, MA.
- Sitz, A.**, Davis, S., & Finomore, V. (2012, April). *Multimodal Evaluation of Resource Allocation in a Communication Monitoring Task*. Poster presented at the 23rd Annual Stander Symposium, Dayton, OH.
- Sitz, A.**, Barnas, A., & Kunz, B. (2012, April). *The Role of Visual and Proprioceptive Limb Information in Object Size and Affordance Judgments*. Poster presented at the 23rd Annual Stander Symposium, Dayton, OH.

ADDITIONAL PROCEEDINGS

- Chancey, E. T., **Sitz, A.**, Brill, J. C., Schmuntsch, U., & Bliss, J. P. (Accepted). *Vibrotactile Stimuli Parameters on Detection Reaction Times*. *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*, 58.
- Finomore, V., **Sitz, A.**, Satterfield, K., Castle, C., & Blair, E. (2013). Evaluation of advanced multi-modal command and control communication management suite. In D. Harris (Ed.), *Lecture Notes in Artificial Intelligence: Vol. 8019. Engineering Psychology and Cognitive Ergonomics. Understanding Human Cognition* (pp. 215-221).

ADDITIONAL EXPERIENCE

- Old Dominion University Research Foundation** Norfolk, VA
Field Research Associate, Behavioral Psychology Research & Analysis Team April 2014 – December 2014
- Conduct field observations assessing the use of mobile phones and seat belts among motor vehicle drivers
 - Travel bimonthly to observation sites located across Virginia
- Old Dominion University** Norfolk, VA
Teaching Assistant, Department of Psychology August 2012 – December 2014
- Troubleshoot experimental/correlational research design problems with undergraduate students
 - Edit and evaluate students' research projects including bibliographies, literature reviews, method section, statistical analysis, and practical implications
 - Proactively coordinate with team of teaching assistants to best address students' needs
- University of Dayton** Dayton, OH
Research Assistant, Department of Psychology December 2010 – May 2012
- Performed data collection for a project investigating participants' susceptibility to visual illusions distorting the apparent position of one's hand (i.e., visual-proprioceptive conflict)
 - Collected data for a project evaluating participants' ability to judge traversed distances in the absence of visual cues
 - Performed a literature review investigating future research directions