

CURRICULUM VITAE
Amy Marie Greene
Lab Manager
Undergraduate Research Assistant
Department of Psychology
North Carolina State University
P.O. Box 7650
Raleigh, NC 27695
amsmall@ncsu.edu
www.lacelab.org

EDUCATION

2017-Present	North Carolina State University Raleigh, NC Bachelors of Arts in Psychology
2015-2016	Vance Granville Community College Henderson, NC Associate in Science & Associate in Arts

PRESENTATIONS (3)

Greene, A., Hicks, W.B., Sprufera, J. F., Pryor, M., McLaughlin, A. C., & M., Byrne, V. (April 2018). Effects of time pressure and team interaction on use of an electronic checklist. *Meeting of the Southeastern Human Factors Applied Research Conference, Clemson, SC.*

Hicks, W. B., **Greene, A.**, Sprufera, J. F., Pryor, McLaughlin, A. C, & M., Byrne, V. (February 2018). Effects of time pressure and team interaction on use of an electronic checklist: A pilot study. *Meeting of the North Carolina Cognition Group, UNC-Chapel Hill, NC.*

Pinyan, E., Wright, E., Shore, A., McLaughlin, A. C., & **Greene, A.** (February 2018). Quantifying task prioritization during rock climbing using verbal protocols. *Meeting of the North Carolina Cognition Group, UNC-Chapel Hill, NC.*

RESEARCH EXPERIENCE

LACElab-NASA Collaborative- Project titled, “Effects of time pressure and team interaction on use of an electronic checklist.” Moderated study recording participant behaviors/ actions assembling a simulated medical ventilator while using a digital checklist. Looking for task load and work distribution using cognitive aids. NASA TLX

used with repeated measures in between subjects. Variables were time pressure and single vs dual operators. Constructed research materials for simulator.

LACElab-NASA Collaborative- Project titled, “Cognitive Aid Use During Complex Off-Nominal Tasks: Considerations of Modality and Additional Functionality on Performance.” Entered data, recording participant behaviors/ actions assembling a simulated medical ventilator while using a digital checklist. Study focused modality and functionality on performance of cognitive aids. This dissertation project, was successfully defended March 2nd 2018 by John Sprufera.

LACElab-NASA Collaborative-Validation Study of prototypes, to test capabilities of the developed cognitive aids with a group of users from Johnson Space Center, Houston TX. Examined performance and cognitive workload using interactive aid versus traditional PDF checklist.

LACElab-Rock Climbing Collaborative-Project titled, “Quantifying task prioritization during rock climbing using verbal protocols.” Transcribed Think aloud interviews for Novice vs Expert rock climbers, looking at attention and fixation of placing gear in dynamic environments using SEEV model of attention.

LACElab-Food Estimation Studies-Coding data, innovate ideas for strategy usage of comparing liquidation. Using VR/different modalities for best estimation.

NC State USDA-NIFA Food Virology Collaborative-Moderated study observing/recording participant behavior preparing a recipe in a control model kitchen. Looking at food handling and safety, and tracking bacteria across various surfaces. Variables were Thermometer useage vs primed with instructional video about thermometers.

PROFESSIONAL ACTIVITIES

2018-2019: HFES Student Chapter Vice President

AWARDS

President’s List of Vance Granville Community College- 2015
Member of Phi Theta Kappa Vance Granville Community College- 2015
Distinguished Officer: President of Science Club-Rockingham Community College-2007

SKILLS

Heuristic Evaluation on Design Structure for Cognitive Aid

Qualtric Survey design for testing UX

UX design of icon with GIMP for Cognitive Aid

SMI Eye Tracking calibration/recording