

RICHARD B. WAGNER

Raleigh, NC | rbwagner@ncsu.edu | (919) 738-1250

Education

North Carolina State University

Ph.D. in Human Factors and Applied Cognition

August 2018 – Current

GPA: 4.0

Appalachian State University

M.A. in Experimental Psychology

August 2018

GPA: 3.85

North Carolina State University

B.A. in General Psychology

May 2016

GPA: 3.33

Research and Professional Experience

Graduate Human Factors Engineer

The Mitre Corporation

McLean, VA

June 2020 – Current

Department(s): Human-Systems Integration, Visualization, and Decision Support; Collaboration Systems

Projects: Supporting research projects to improve system usability and standards for the Federal Communications Commission (FCC) and MITRE sponsored Accessible Authentication for All (A4A) project.

Technology: Microsoft Office, R, Excel, Slack, Skype

Graduate Research Assistant

Laboratory for Analytical Sciences

North Carolina State University

March 2019 – January 2020

Mentor: Jing Feng

Projects: Conducting research on the application of Anticipatory Thinking metrics to risk identification.

Technology: SPSS, Excel, Power Point

Graduate Teaching Assistant

Applied Psychology Primary Instructor

North Carolina State University

August 2018 – May 2019

Mentor: Jing Feng

Course: Instructing undergraduates in analyzing and applying experiments and theory in applied domains of psychology.

Technology: SPSS

Master's Thesis

Principal Investigator

Appalachian State University

August 2016 – August 2018

Mentor: Christopher A. Dickinson

Title: Tracking Bias: Using Eye-Tracking to Measure the Effects of Cognitive Control in Hiring Situations

Technology: SPSS, SAS, EyeLink video-based eye tracking system

Graduate Teaching Assistant

Cognitive Psychology Laboratory Instructor

Mentor: Douglas Waring

Course: Instructing undergraduates in analyzing and applying experiments and theory in cognitive psychology.

Technology: SPSS

Appalachian State University

August 2017 – May 2018

Eye-Tracking and Cognition Lab

Research Coordinator

Principal Investigator: Christopher A. Dickinson

Research Project(s): An eye-tracking investigation of memory for scenes with moving objects.

Technology: SPSS, EyeLink video-based eye-tracking system

Appalachian State University

July 2017 – August 2018

Social Cognition Lab

Research Assistant

Principal Investigator: Doris Bazzini

Research Projects: Exposure to powerful versus sexual images of female athletes, body image, and visual fixations.

Technology: Qualtrics, SPSS, Eye Link video-based eye-tracking system

Appalachian State University

January 2017 – August 2018

College Retention Lab

Research Assistant

Principal Investigator: Hall P. Beck

Research Projects: Investigating the differences between ratings certainty from self-report responses and eye-tracking responses.

Technology: SPSS, SAS, Eye Link video-based eye-tracking system

Appalachian State University

August 2016 – May 2017

Undergraduate Research Lab

Research Assistant

Principal Investigator: Lawton Pybus

Research Projects: Implicit Theories of Technology Ability and Technology Acceptance

Technology: Qualtrics, SPSS, Qualtrics

North Carolina State University

August 2015 – June 2016

Howell's Support Services

Data Analyst/Administrative Intern

Supervisor: Melinda Gates; Jerry Howell

Research Projects: Using quantitative methods to analyze clinical patient data in Wayne County; designing a new de-escalation training program to be approved by the NC DHHS.

Technology: SPSS, Excel

Goldsboro, NC

June 2017 – August 2017

MTM Services

Data Analyst/Marketing Intern

Supervisor: Scott Lloyd

Research Projects: Using quantitative methods to analyze individual client needs; creating marketing plans tailored to client specifications.

Technology: Excel, Word

Raleigh, NC

June 2015 – August 2016

Publications and Presentations

- Wagner, R.B.**, Geden, M., Forster, S. Feng, J. (2020, October) *Driver Visual Processing of Relevant and Irrelevant Information During Mind Wandering*. To appear in the *Proceedings of the 2020 International Annual Meeting of the Human Factors and Ergonomics Society, Chicago, IL*.
- Sall, R.J., **Wagner, R.B.**, Feng, J. (2019, November) *Drivers' Perceptions of Events: Implications for Theory and Practice*. Poster presented at the Human Factors and Ergonomics Society, Seattle, WA.
- Geden, M., Feng, J., Spain, R., Smith, A., **Wagner, B.**, & Lester, J. (2019). *Toward the application of anticipatory thinking in support of risk identification*. In The Proceeding of the AAAI (Association of the Advancement of Artificial Intelligence) Symposium on Cognitive Systems for Anticipatory Thinking, November 2019, Washington, D.C.
- Lester, J., Feng, J., Mott, B., Smith, A., Geden, M., Spain, R., & **Wagner, B.** (2019). *Anticipatory Thinking in Support of Risk Identification*. Technical report submitted to Laboratory for Analytic Sciences.
- Wagner, R.B.**, Dickinson, C.A. (2018, November) *Tracking Bias: Using Eye-Tracking to Measure the Effects of Cognitive Control in Hiring Situations*. Poster presented at the Psychonomic Society, New Orleans, LA.
- Udry, J. M., Cooke, A., Pepper, A., Bazzini, D. G., Dickinson, C. A., & **Wagner, R. B.** (2017, March). *Exposure to powerful versus sexual images of female athletes, body image, and visual fixations*. Poster presented at the annual meeting of the Southeastern Psychological Association, Atlanta, GA.
- Wagner, R.B.**, Dickinson, C.A. (2017, April) *Tracking Bias: Using Eye-Tracking to Measure the Effects of Cognitive Control in Hiring Situations*. Poster presented at Appalachian State University's annual Celebration of Student Research and Creative Endeavors, Boone, NC.
- Wagner, R.B.**, Dickinson, C.A. (2017, March) *Tracking Bias: Using Eye-Tracking to Measure the Effects of Cognitive Control in Hiring Situations*. Poster presented at the North Carolina Cognition Conference, Greensboro, NC.
- Wagner, R.B.**, Dickinson, C.A. (2018, March) *Tracking Bias: Using Eye-Tracking to Measure the Effects of Cognitive Control in Hiring Situations*. Poster to be presented at the annual meeting of the Southeastern Psychological Association, Charleston, SC.

Awards & Grants

Outstanding Achievement Grant from <i>North Carolina State University</i>	March 2018
Research Grant from the Office of Student Research at <i>Appalachian State University</i>	January 2017
Travel Grant from the Office of Student Research at <i>Appalachian State University</i>	March 2017
Travel Grant from the Graduate Student Association Senate at <i>Appalachian State University</i>	March 2017
Research Grant from the Student and Faculty Excellence Fund at <i>Appalachian State University</i>	July 2017
Research Grant from the Office of Student Research at <i>Appalachian State University</i>	July 2017
Graduate Student Outstanding Teaching Award Finalist at <i>Appalachian State University</i>	April 2017

Professional and Scholastic Membership

Human Factors and Ergonomics Society Member	2019 – Present
HFES/GrASP NCSU Student Chapter Treasurer	2019 –
Present North Carolina Cognition Group Member	2017 –
Present North Carolina Psychological Association Poster Reviewer	2017 –
Present South-Eastern Psychological Association Member	2016 –
Present	