

HANNAH M. BARR
Graduate Research Assistant
University of Alabama in Huntsville
HMS0017@uah.edu

Professional Experience

Graduate Research Assistant (05/2021 – Present)

Advanced Teaming, Technology, Automation, & Cognition (ATTAC) Lab
University of Alabama in Huntsville
Huntsville, AL

Graduate Human Factors Research Assistant (08/2022 – Present)

Psychology Department
University of Alabama in Huntsville
Huntsville, AL

Genomic Health UI/UX Design Intern (05/2022 – 07/2022)

Genomic Health Alliance
HudsonAlpha Institute for Biotechnology
Huntsville, AL

Graduate Human Factors Research Assistant (04/2021 – 05/2022)

Industrial & Systems Engineering and Psychology Departments
University of Alabama in Huntsville
Huntsville, AL

Undergraduate Research Assistant (07/2019 – 05/2021)

Advanced Teaming, Technology, Automation, & Cognition (ATTAC) Lab
University of Alabama in Huntsville
Huntsville, AL

Usability Testing Researcher (01/2021 – 05/2021)

Communication Arts Department
University of Alabama in Huntsville
Huntsville, AL

Undergraduate Human Factors Researcher (09/2020 – 04/2021)

Industrial & Systems Engineering Department
University of Alabama in Huntsville
Huntsville, AL

Other Experience

Cashier & Meals Clerk (05/2019 – 10/2019)
Customer Service Department
Publix Super Markets
Harvest, AL

Education

University of Alabama in Huntsville, M.A. (Expected 2022)
Huntsville, AL
Psychology
Advisor: Nathan Tenhundfeld

University of Alabama in Huntsville, Graduate Certificate (2022)
Huntsville, AL
User Experience

University of Alabama in Huntsville, B.A. (2021)
Huntsville, AL
Psychology

University of Alabama in Huntsville, B.F.A. (2021)
Huntsville, AL
Art Studio – Digital Animation Concentration

Journal Publications

Atchley, A., **Barr, H. M.**, O'Hear, E., Weger, K., Mesmer, B., Gholston, S., & Tenhundfeld, N. (2022) Trust in Systems: Identification of 17 Unresolved Research Questions and the Highlighting of Inconsistencies. *Theoretical Issues in Ergonomics Science*.

Tenhundfeld, N.L., **Barr, H.M.**, O'Hear, E.H., & Weger, K. (2021). Is My Siri the Same as Your Siri? An Exploration of Users' Mental Model of Virtual Personal Assistants, Implications for Trust. *IEEE Transactions on Human-Machine Systems*.

Peer-Reviewed Conference Proceedings

Barr, H.M., Cotter, J.E., O'Hear, E.H., Gray, C.E., Chesser, A.F., Atchley, A., Smitherman, R.C., & Tenhundfeld, N.L. (2022). Individual Differences in Misremembering Fake News on Social Media. In *Proceedings of the Human Factors and Ergonomics Society Conference*.

Atchley, A., **Barr, H.M.**, O'Hear, E.H., Gray, C.E., Chesser, A.F., Jones, N., & Tenhundfeld, N.L. (2022). Does My Driver Share My Moral View? Effects of Humanlikeness and Morality in an Adapted Trolley Problem. In *Proceedings of the Human Factors and Ergonomics Society Conference*.

Barr, H.M., Smitherman, R.C., Mesmer, B., Weger, K., Van Bossuyt, D., Semmens, R., & Tenhundfeld, N.L. (2022). Use, Acceptance, and Adoption of Automated Systems with Intrinsic and Extrinsic Motivation Based Incentive Mechanisms. In *Proceedings of the annual Systems and Information Engineering Design Symposium (SIEDS) Conference*.

Tenhundfeld, N.L., **Barr, H.M.**, O’Hear, E., Atchley, A., & Cotter, J.E. (2021). Effects of Human-Likeness on Robot Use in High-Risk Environments. In *Proceedings of the Human Factors and Ergonomics Society Conference*.

Flynn, M., **Smitherman, H.M.**, Weger, K., Mesmer, B., Semmens, R., Van Bossuyt, D., & Tenhundfeld, N.L. (2021). Incentive Mechanisms for Acceptance and Adoption of Automated Systems. In *Proceedings of the annual Systems and Information Engineering Design Symposium (SIEDS) Conference*.

Simon, H.M., **Smitherman, H.M.**, Atchley, A., Davis, J.R., & Tenhundfeld, N.L. (2020). Nuts and Bolts About You: Finding the Right Match for Gendered Robots. In *Proceedings of the annual Systems and Information Engineering Design Symposium (SIEDS) Conference*.

Davis, J.R., Atchley, A., **Smitherman, H.M.**, Simon, H.M., & Tenhundfeld, N.L. (2020). Measuring Automation Bias and Complacency in an X-Ray Screening Task. In *Proceedings of the annual Systems and Information Engineering Design Symposium (SIEDS) Conference*.

Conference Presentations

Barr, H. M. & Hott, A. M. (2022). *Redesigning Courier Ordering System*. Poster presented at *BioTrain Poster Session*, Huntsville, AL.

Barr, H.M., Smitherman, R.C., Mesmer, B., Weger, K., Van Bossuyt, D., Semmens, R., & Tenhundfeld, N.L. (2022). Use, Acceptance, and Adoption of Automated Systems with Intrinsic and Extrinsic Motivation Based Incentive Mechanisms. Presentation given at *Systems and Information Engineering Design Symposium (SIEDS) Conference*, Charlottesville, VA.

Simon, H.M., **Smitherman, H.M.**, Atchley, A., Davis, J.R., & Tenhundfeld, N.L. (2020). Nuts and Bolts About You: Finding the Right Match for Gendered Robots. Presentation given at *Systems and Information Engineering Design Symposium (SIEDS) Conference*, Online.

Davis, J.R., **Smitherman, H. M.**, & Tenhundfeld, N.L. (2020). *Effects of Robotic Anthropomorphic Design on Industry Category Fit*. Poster presented at *UX Rising*, Huntsville, AL.

Skills

Beginner’s proficiency:

IBM SPSS, C, C++, Python, Autodesk Mudbox, Balsamiq

Intermediate proficiency:

Data analysis, Microsoft Excel, Qualtrics, Adobe InDesign, Autodesk Maya, 3D modeling, 3D animation, texturing, graphic design, illustration, concept development, concept art

Advanced proficiency:

Human subjects research, writing, Adobe Photoshop, Adobe XD, Adobe Illustrator, digital art, photography

Organizations

User Experience Professionals Association of Alabama (UXPAA) Student Chapter
Member

University of Alabama in Huntsville
Huntsville, AL

Psi Chi, The International Honor Society in Psychology

Member
University of Alabama in Huntsville
Huntsville, AL

Alpha Lambda Delta, The Honor Society for First-Year Academic Success

Member
University of Alabama in Huntsville
Huntsville, AL

UAH Honors College

Member
University of Alabama in Huntsville
Huntsville, AL