

# Brianna Wimer

## EDUCATION

**University of Notre Dame**, South Bend, IN  
Ph.D. in Computer Science and Engineering  
Advised by Ronald Metoyer

August 2021 - PRESENT

**University of Alabama**, Tuscaloosa, AL  
B.S in Computer Science

July 2018 - July 2021

## INTERESTS

My research area is Human Computer Interaction and Accessibility. My interests include understanding, designing, and developing technologies that make information visualization more accessible. My current projects involve learning how visual cues in interactive storytelling can be made accessible for screen reader users and designing self-support technology for adults with ADHD.

## PUBLICATIONS

Dillahun, T., Sawwan, M., Wood, D., **Wimer, B.**, Conrado, A., Eicher-Miller, H., Zornig Gora, A., Metoyer, R. *Understanding Food Planning Strategies of Food Insecure Populations: Implications for Food Agentic Technologies*. Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. 2023.

## AWARDS & ACHIEVEMENTS

**Graduate Cohort for IDEALS Travel Grant**, Computing Research Association | 2023  
**SIGACCESS Travel Scholarship**, ACM SIGACCESS | 2022  
**Graduate Cohort for IDEALS Travel Grant**, Computing Research Association | 2022  
**Jack and Mary Ann Remick Fellowship**, University of Notre Dame | 2021  
**Louis Stokes Alliance for Minority Participation Scholar**, University of Alabama | 2018 -2021  
**Dean's List**, The University of Alabama | 2021, 2020  
**Tapia Travel Grant**, AccessComputing | 2020  
**Grace Hopper Travel Grant**, AccessComputing | 2020

## POSTER PRESENTATIONS

**Wimer, B.** *Understanding How Information Visualization Can Support Diverse Cognitive Abilities*. Poster Presented At: ACM Conference on Computers and Accessibility. 2022 Oct 24-26. Athens, Greece. (Not peer-reviewed, poster presentation for SIGACCESS Travel Scholarship).

**Wimer, B.**, Szymanski, A. *Food Information Networks (FINs): The Visual Representation of Food Information for Healthy Dietary Choices*. Poster Presented At: Lucy Institute Fall Symposium. 2021 Oct 27. University of Notre Dame.

**Wimer, B.** *Improving Self-Efficacy in Emotion Regulation Through a Biofeedback Video Game.*  
Poster Presented At: Virtual Grace Hopper Celebration. 2020 Sept 29-Oct 3. Remote

## OTHER RESEARCH EXPERIENCE

<b>CRA-WP Distributed Research for Undergraduates (DREU)</b> <i>Research Intern</i> , University of Notre Dame; Advised by Ronald Metoyer	Summer 2021
<b>CRA-WP Distributed Research for Undergraduates (DREU)</b> <i>Research Intern</i> , Tufts University; Advised by Elaine Short	Summer 2020
<b>Undergraduate Research Assistant, The University of Alabama</b> Advisor: Chris Crawford	2019 to 2021

## TEACHING EXPERIENCE

### University of Notre Dame

2023	<b>Warrior-Scholar Project Camp For Veterans and Active Duty Service Members</b> Role: Instructor / Research Project Leader
2022	<b>Fundamentals of Computing (CSE20311)</b> 61 Undergraduate students enrolled. Role: Graduate Teaching Assistant
2021	<b>Academic Services for Student Athletes</b> 2 Undergraduate students assigned to me. Role: Strategy Tutor
2021	<b>Academic Services for Student Athletes</b> 12 Undergraduate students assigned to me. Role: Calculus Tutor

## INVITED TALKS

2021	<b>Panelist</b> , Code.Org x CareerVillage <b>Panelist</b> , Explore STEM@UTSA
2020	<b>Guest Speaker</b> , Louis Stokes Alliance for Minority Participation <b>Guest Speaker</b> , Bridge to Engineering Success at Tufts Webinar

## ACADEMIC SERVICE

### Professional Service

2022	<b>Student Volunteer</b> , ACM Conference on Human Factors in Computing (CHI) <b>Student Volunteer</b> , ACM Conference on Designing Interactive Systems (DIS) <b>Student Volunteer</b> , ACM Conference on Computers and Accessibility (ASSETS)
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### University and Community Service

2023	<b>Summer Program Co-Director</b> , ND CSE Summer Enrichment Program <b>Counselor/Mentor</b> , UA's LEGACY Project
2022	<b>Graduate Research Mentor</b> , ND's Center for Civic Innovation Interns <b>Graduate Research Mentor</b> , ND's iTREDS Program
2020	<b>Research Mentor</b> , UA's Louis Stokes Alliance for Minority Participation
2019	<b>Counselor/Mentor</b> , UA's LEGACY Project

## NEWS MEDIA COVERAGE

- 2021      **AccessComputing STEM For All Video Showcase.**
- 2020      **AccessComputing Newsletter Profile.** ["Distributed Research Experience for Undergraduates \(DREU\): Firsthand Benefits"](#)
- 2019      **UA Engineering News.** ["LEGACY program prepares young women of color with computer science education"](#)