

Emily Gleaton

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Education

Georgia Institute of Technology

Ph.D. Engineering Psychology (3.7 GPA)

- Advisor: Richard Catrambone
- Research PI: Brad Fain

Atlanta, GA

2020-2025

Clemson University

B.S. Psychology with a minor in Biology

- Human Factors Research Advisor: Rick Tyrrell
- Biological Science Research Advisor: Michel Childress
- Communications Research Advisor: Meghna Tallapragada

Clemson, SC

2017-2019

University of South Carolina Aiken

Program of Study: Nursing

Aiken, SC

2015 - 2017

Skills

Programming

Python (Pandas, NumPy, Matplotlib, etc.), R (Markdown, ggplot2, dplyr, tidy), MATLAB

Miscellaneous

LaTeX (Overleaf), Jupyter Notebook, RMarkdown, Adobe (Express, Lightroom, Illustrator, Stock, Acrobat Pro), Git, IBM-SPSS, Qualtrics, Microsoft Power Automate, Microsoft Office (Word, Excel, Powerpoint), JASP, QDA Minor, Discursis

Soft Skills

Leadership, Time Management, Teamwork, Problem-solving, Documentation.

Research Interests

Instructional Design

Human Computer Interaction (HCI)

User Experience Research

Technology Adoption/Disuse

Medical Human Factors

Research Experience

Georgia Institute Of Technology, Center for Advanced Communications Policy (CACP)

Graduate Research Assistant

- Collaborated with a five-person team to conduct usability tests of COVID-19 and CO-FLU tests as a part of the NIH's RADx initiative.
- Assisted with planning and conducting multiple studies that focus on finding new ways to improve the accessibility of home COVID-19 test for people with visual and motor disabilities.
- Contributed to projects sponsored by national and international companies.
- Collaborated with researchers at Emory University to find new ways wearable technology can be used to improve health outcomes for older adults with mild cognitive impairment (MCI).
- **Soft Skills:** Teamwork, Communication, Research Design, Data Analysis, Presentation skills.

Atlanta, GA

2021 - Present

Georgia Institute Of Technology, School of Psychology

Graduate Research Assistant

- Collaborated with two faculty members to develop a guide for using Lumen Learning, an open-source educational platform for introductory undergraduate courses.

Atlanta, GA

2022

Georgia Institute Of Technology, Problem Solving, and Educational Technology Lab

Graduate Student

- Conducted a research project to better understand the influence of media in perpetuating racial bias.
- Assisted with planning and conducting a study to better understand male birth control adoption
- Collaborated with graduate students outside of the lab to conduct multiple studies aimed to develop and validate a scale of mastery of technology
- Planned and conducted a study aimed to better understand why older adults discontinue using conversational agents
- **Soft Skills:** Data analysis, Time Management, Mentorship, Collaboration.

Atlanta, GA

2020 - Present

- Assisted with data collection for multiple projects that aimed to better improve the conspicuity of pedestrians and cyclists to drivers in a variety of lighting conditions.
- Assisted with the setup and analysis of eye-tracking data using the pupil-labs eye tracker.

Clemson University, Something Very Fishy (S.T.E.A.M Education Project)

- Assisted in the development of a codebook for qualitative analysis of children's drawings
- Responsible for teaching undergraduates qualitative data analysis skills
- Worked with Biology graduate students to create materials and facilitate a S.T.E.A.M education program that teaches elementary-aged children Ocean literacy skills, per South Carolina Education Standards

Publications and Presentations

JOURNAL ARTICLES

Something Very Fishy: An Informal STEAM Project Making a Case for Ocean Conservation and Climate Change

Meghnaa Tallapragada, Kathy L. Prosser, Kaitlyn F. Braffitt, Kelly E. Bridgeford, Emily C. Gleaton, Madeline G. Saverance, Kara R. Noonan, Tokea G. Payton, Randi J. Sims, Kylie M. Smith, Michael J. Childress

Environmental Communication 15.7 (Oct. 2021) pp. 904–922

CONFERENCE PAPERS AND PRESENTATIONS

Understanding Disuse of Conversational Agents Among Older Adults

Emily Gleaton, Richard Catrambone, Bruce Walker

Career, Research, and Development Conference. Georgia Institute of Technology (2023)

Understanding Technology Mastery: Pilot Study for Scale Development

Emily Gleaton, Emily Parcell, Marianna Madera, Bruce Walker, Richard Catrambone

Proceedings Paper accepted to the Human Factors and Ergonomics Society's 67 International Conference in Washington DC (2023) (2023)

Predictors of Attitudes Toward the Adoption of Male Contraceptives: Psychological Trait and Device-Related Variables

Zachary Tidler, Emmarose Stern, Emily Gleaton

The 12th International Symposium on Human Factors and Ergonomics in Health Care, Orlando, FL (2023)

The Influence of Racial Indicators in the Media on Person Perception: An Unconscious vs. Conscious Bias Comparison (Followup Analysis)

Emily Gleaton, Dania Ibrahim, Richard Catrambone

American Psychological Society Annual Meeting (2022)

Categorizing Technology by Emotional Reaction and Novelty

Emily Gleaton, Marianna Madera

Better Together (2022)

Trait Correlates of Attitudes Toward Adoption of Male Contraceptives

Zachary Tidler, Emily Gleaton

American Psychological Society 62nd Annual Meeting, Chicago, IL (2022)

The Influence of Racial Indicators in the Media on Person Perception: An Unconscious vs. Conscious Bias Comparison.

Dania Ibrahim, Emily Gleaton, Richard Catrambone

Psychonomic Society Annual Meeting, (virtual) 27 (2021) p. 324

ACKNOWLEDGEMENTS

The Daytime Conspicuity Benefits of Rear-Facing Bike Lights

Darlene Edewaard

Thesis: Clemson University (2020)

Using Eye Tracking to Assess the Temporal Dynamics By Which Drivers Notice Cyclists in Daylight: Drivers Becoming Aware of Cyclists

Darlene Edewaard, Richard Tyrrell, Andrew Duchowski, Ellen Szubski, Savana King

ETRA '20 Short Papers, June 2–5, 2020, Stuttgart, Germany (June 2020)

The Temporal Dynamics By Which Drivers Become Aware of Bicyclists Who Use Taillights In Daytime

Darlene E. Edewaard, Richard A. Tyrrell, Patrick J. Rosopa, Andrew T. Duchowski, Ellen C. Szubski, Savana L. King

Proceedings of the Human Factors and Ergonomics Society Annual Meeting 64.1 (Dec. 2020) pp. 1948–1949

The Conspicuity Benefits of Rear-Facing Bike Lights in Daylight

Darlene E. Edewaard, Ellen C. Szubski, Richard A. Tyrrell

Proceedings of the Human Factors and Ergonomics Society Annual Meeting 63.1 (Nov. 2019) pp. 1937–1938

Can Highlighting a Pedestrian's Biological Motion at Night Mitigate the Negative Effect of Driver Distraction?

Ellen Szubski, Darlene Edewaard, Richard Tyrrell

Proceedings of the Human Factors and Ergonomics Society Annual Meeting 63.1 (Nov. 2019) pp. 1939–1940

The Effect of Distracted Driving on the Conspicuity of Pedestrians at Night

Ellen Campbell Szubski

Thesis: Clemson University (2019)

UNPUBLISHED MANUSCRIPTS

Accessibility Innovation: Designing Emergency Response Systems for People with Disabilities

Emily Gleaton, Sarah Farmer, P. M.A. Baker

Unpublished Manuscript (2023)

Evaluating Usability and Accessibility of Home COVID-19 Tests: a Mixed-Methods Study

Emily Gleaton, Megan Lucente, Sarah Farmer

Manuscript in preparation (2023)

Perspectives on Technology: Exploring Gender differences in digital natives

Emily Gleaton, Marianna Madera, Richard Catrambone

Manuscript in preparation (2023)

A Technology Acceptance Approach to User Adoption of Healthcare Assistive Products: A Systematic Review.

Emily Gleaton, Lucas Provine, Robert Kristinberg, Christopher Weise

Manuscript in preparation (2023)

Honors, Awards and Grants

2023	Celebrating Student Leadership Project , Georgia Tech Up with the White and Gold (UWWG)	Atlanta, GA
2022	Best Poster , Better Together	Atlanta, GA
2022	Best Poster , Georgia Tech School of Psychology Annual Graduate Student Conference	Atlanta, GA
2022	Psychology Interlab Grant (PIG) , Georgia Tech, School of Psychology	Atlanta, GA
2019	Deans List , Clemson University	Clemson, SC
2016	Extended Life Scholarship , University of South Carolina Aiken	Aiken, SC
2016	Extended Life Scholarship , University of South Carolina Aiken	Aiken, SC
2015	Hope Scholarship , University of South Carolina Aiken	Aiken, SC
2015	Deans List , University of South Carolina Aiken	Aiken, SC

Teaching Experience

Introductory Psychology (PSYC 1101), Georgia Tech

Graduate Teaching Assistant (GTA)

Atlanta, GA

2020-2021

- Assisted with grading, held office hours, created test materials, administered exams, and occasionally was a guest lecturer

Research Methods (PSYC 2015), Georgia Tech

Graduate Teaching Assistant

Atlanta, GA

2022

- Assisted with grading, held office hours, created test materials, administered exams

Engineering Psychology (PSYCH 2270)

Guest Lecture

Atlanta, GA

2022

- Talk Titled: "Ethics in Human-Computer Interaction (HCI) and Human-Robot Interaction (HRI)"

Emory University, Cognitive Empowerment Program

Guest Lecture

Atlanta, GA

2023

- Talk Titled: "Improving Your Health and Wellbeing with Technology"

Clemson University, Transfer Student Orientation

Guest Lecture

Clemson, SC

2019

- Talk Titled: "Finding your Calling at Clemson University"

Leadership

2023-2024 **Treasurer**, Human Factors and Ergonomics Society- Georgia Tech Student Chapter

Georgia Tech

2022-2023 **President**, Human Factors and Ergonomics Society- Georgia Tech Student Chapter

Georgia Tech

2023 **Lead Graduate Student Host**, Georgia Tech, School of Psychology Recruitment

Georgia Tech

2021-2022 **Webmaster**, Human Factors and Ergonomics Society- Georgia Tech Student Chapter

Georgia Tech

2021-2022 **Social Chair**, Psychology Graduate Student Council (PGSC)

Georgia Tech

2020-2021 **Secretary**, Psychology Graduate Student Council (PGSC)

Georgia Tech

2018-2020 **Philanthropy Chairperson**, Clemson University Student Government (Transfer Council)

Clemson University

2017-2018 **Cohort Representative**, Clemson University School of Nursing

Clemson University

2016-2017 **Vice President of Academics and Education**, Alpha Omicron Pi- Chi Phi Chapter

USC Aiken

2016-2017 **President**, University of South Carolina Aiken Swim Club

USC Aiken

2015-2016 **Secretary**, University of South Carolina Aiken Swim Club

USC Aiken

Mentorship

Joshua Giffin , Undergraduate Psychology	2023-Present
Catherine Townsend , Undergraduate Neuroscience	2022-Present
Elaina Levy , Undergraduate Neuroscience	2022-Present
Marianna Madera , Undergraduate Psychology	2022-Present
Zoe Mock , Undergraduate Industrial Design	2022-2023
Munim Rhiddhi , BS/MS Computer Science, Software Engineering Intern at Pickle	2022-2023
Richard Bozard , Undergraduate Computer Science	2022-2023
Kalia McManus , Undergraduate, Psychology	2021-2023
Ethan Wang , Undergraduate Computer Science	2021-2023
Kayhun Kim , Post-Bach	2021-2022
Natalie Spingler , B.S. Psychology: UI/UX intern at FIDX Automotive	2021-2022
Weiting Huang , Undergraduate Computer Science	2022

Volunteer Work

2022 Panelist , Georgia Tech FOCUS	Georgia Tech
2020-2021 Presentation Judge , Research Methods: Psych 2015	Georgia Tech

Additional Service Projects

Annual School of Psychology Graduate Student Survey

Atlanta, GA

Psychology Graduate Student Council (PGSC)

September 2021 - March 2022

- Was in charge of the creation, distribution, analysis, and presentation of the updated the Georgia Tech School of Psychology Graduate Student Survey. The purpose of the survey is to help the administration have a better understanding of graduate student needs and overall satisfaction while simultaneously identifying areas of improvement. Results are presented to graduate students, faculty, and staff.
- The survey was distributed to graduate students at Georgia Tech during the fall of 2021. Results were presented to graduate students, faculty, and staff.

Active Memberships

American Psychological Society (APS) ,	2022-2023
Human Factors and Ergonomics Society (HFES) ,	2020-present

Clinical Experience

Clemson Downs

Clemson, SC

Med-Surg I, Fundamentals of Nursing Clinical

2018

- Worked with geriatric patients in a nursing care facility (assisted with bathing, dressing, and basic wound care).
- Delivered medications to patients while under the supervision of a registered nurse
- Created treatment plans and patient goals on a weekly basis

References available upon request.