

Audra Davidson



www.audradavidson.com

Science communicator, teacher, and leader

As a natural-born leader with a passion for making science accessible, I am committed to learning and advancing valuable STEM skills in myself and others through collaborative research, mentorship, and group leadership.

Education

Georgia Institute of Technology

Ph.D., Applied Physiology (expected) 2022

M.S., Biology 2020
Atlanta, GA, USA GPA: 4.0

University of Michigan

B.S., Kinesiology 2016
Ann Arbor, MI, USA GPA: 3.9
Honors Program

Contact

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www.audradavidson.com

[@Science_Audra](https://twitter.com/Science_Audra)

Technical Skills

Organization

Project management

Popular Science Writing

Written & oral communication

Adobe Creative Suite

Microsoft Office software



Science Communication Work Experience

U.S. State Dept., Oceans and Environmental Sciences (OES) Spring 2021 *Spring Intern, Office of Policy and Public Outreach* Atlanta, GA

- Helped develop press strategies for disseminating science policy to the public
- Conducted research to develop media strategy for the Special Presidential Envoy for Climate
- Created social media toolkit for Instagram, Facebook, and Twitter highlighting women in STEM. Posts were translated into over 10 languages and shared worldwide

The Weitz Group 2020–pres *Communications and Research Support* Atlanta, GA

- Built group website using WordPress and HTML/CSS
- Used Adobe Creative Suite (Illustrator & Photoshop) to create website graphics and develop brand identity (logos, fonts, color scheme)
- Provided administrative support for the group, aided with grant proposals

Science ATL 2019–pres *Content Manager (Science Scene Calendar), SciComm Fellow* Atlanta, GA

- Used WordPress to update Science ATL website with local engaging science events
- Trained in the fundamentals of writing narratives, understanding your audience, public speaking, and interviewing for the communication of science to nontechnical audiences

College of Sciences Department of Communications 2020–2021 *Communications Assistant* Atlanta, GA

- Pitched unique popular science article ideas, reached out to and interviewed scientists, and wrote 5 articles on scientific research
- Used Adobe InDesign to create public-facing strategic plan document for College of Sciences
- Created, led, developed multimedia content, and interviewed scientists for an educational Covid-19 social media campaign reaching 3,200+ viewers



Scientific Research

Comparative Neuromechanics Laboratory 2016–2020 *Graduate Student Researcher* Atlanta, GA

- Developed and conducted a novel, collaborative, and interdisciplinary project investigating the relationship between cognition and movement. Analyzed, interpreted, and presented findings to technical and non-technical audiences at national and international conferences
- Received 2 “best poster” awards for my ability to distill complex information from literature and scientific experiments to expert and non-expert audiences (total: \$1,500)

Rehabilitation Biomechanics Laboratory 2014–2016 *Undergraduate Student Researcher* Ann Arbor, MI

- Worked with large, diverse groups of scientists, engineers, clinicians, and patients to investigate the efficacy of different prosthetic devices used by individuals with limb loss



Selected Publications

1. **Davidson A**, Gardinier E, Gates D. Within and between-day reliability of energetic cost measures during treadmill walking. *Cogent Engineering*, 2016. 3(1).
2. **Davidson A**. (2020). “How Ink Evolved: The History and Science of Tattoos,” *Awesome Science of Everyday Life, Science ATL*, August 7. <https://scienceatl.org/awesome-science-tattoos/>
3. **Davidson A**. (2021). “Survival of the Smallest: Georgia Tech Researchers Uncover Unequal Effects of Human Activity on Mammals,” *College of Sciences, Georgia Tech*, January 4. <https://rb.gy/lqsbmm>



Awards and Fellowships

- Best Graduate Student Poster Presentation, Georgia Tech College of Sciences 2020
- Science Communication Fellowship, Science ATL 2019
- National Science Foundation Graduate Research Fellowship, honorable mention 2017
- Presidential Fellowship, Georgia Institute of Technology 2016–2020