

Alexis Jackson

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EDUCATION

May 2021 - Present | **PhD, Environmental Engineering** | University of Florida | Gainesville, FL
Advisor: Dr. David Kaplan (Expected in May 2026)

May 2020 | **B.S., Biological Science** | Virginia Polytechnic Institute and State University | Blacksburg, VA

RESEARCH EXPERIENCE

May 2021 – October 2021. Environmental Protection Agency National Wetland Condition Assessment (EPA NWCA) Florida **Crew Leader** | Gainesville, Florida | Collect soil, water and chemistry samples while taking in depth observations of 40+ wetlands across the state of Florida

January 2021 – April 2021. **Research Intern** | Archbold Biological Station, Venus, Florida | Conduct independent research, study many rare species of endemic vascular plants in endangered Florida scrub and practice active fire management.

May 2019 - May 2020. **National Science Foundation Undergraduate Research Fellow (NSF REU)** | Hotchkiss Lab, Virginia Tech | Studying the effects of temperature and water level on wetland carbon cycling; collaborated on broader NSF funded stream ecology project

August 2019 - December 2019. **Course Based Undergraduate Research** | Field Ecology Research, Virginia Tech | Assessing the Effects of Agriculture on Plant Biodiversity in Ephemeral Wetlands; collaborated with another student to design study, collect data, analyze data in R and produce a final paper | <http://hdl.handle.net/10919/96152>

January 2019 - May 2019. **Undergraduate Researcher** | Mims Lab, Virginia Tech | Helped set up and execute a mesocosm experiment which aims to determine the effects of four different climate conditions on the amphibian growth cycle.

PRESENTATIONS

July 2022 | **Jackson, A** | "[BIMS Bites: Wetlands](#)" | Black in marine science (BIMS) | Oral Presentation

May 2022 | **Jackson, A**, D. Kaplan, K. Reiss | "Linking Patterns of Wetland Soil Carbon and Non-Native Plant Richness across the United States" | Joint aquatic science meeting (JASM) | Poster Presentation

May 2021 | **Jackson, A**, E.Menges | "Above ground biomass variation along elevation gradients in Florida Scrub" | Florida Native Plant Society Conference | Oral Presentation

April 2021 | **Jackson, A**, E.Menges | "Above ground biomass variation along elevation gradients in Florida Scrub" | Archbold Biological Station | Oral Presentation

December 2020 | **Jackson, A.**, K. Bretz, & E.R. Hotchkiss | "Sinks and Sources: The dynamic contributions of riparian wetlands to catchment carbon budgets" | American Geophysical Union Virtual Conference | Poster Presentation

April 2020 | **Jackson, A.**, K. Bretz, & E.R. Hotchkiss | “Sinks and Sources: The dynamic contributions of riparian wetlands to catchment carbon budgets” | Dennis Dean Undergraduate Research and Creative Scholarship Virtual Conference, Blacksburg, VA | Oral Presentation

July 2019 | **Jackson, A.**, K. Bretz, & E.R. Hotchkiss | “Wetlands in a warming world: The importance of wetlands in headwater carbon cycling” | Virginia Tech Summer Research Symposium, Blacksburg, VA | Poster

May 2019 | **Jackson, A.** E. Shadle, & M. Mims | “Assessing amphibians in a changing world: comparing environmental variation of artificial ponds to natural wetlands in a warming experiment” | Society of Freshwater Science, Salt Lake City, UT | Poster

AWARDS

2021- National Science Foundation Graduate Research Fellowship Program (NSF GRFP)

2020- Undergraduate Research Excellence Award | Office of Undergraduate Research | Virginia Tech

2020- SFS INSTARS Fellowship Award | Society for Freshwater Science

2020- Undergraduate Research Grant | Global Change Center | Virginia Tech

2019- SFS INSTARS Fellowship Award | Society for Freshwater Science

SKILLS & ABILITIES

Microsoft Office (Word, Excel and PowerPoint); R and RStudio; Google Earth Pro; ArcGIS; IACUC Certification: Laboratory Safety Training (Compressed Gas Cylinder Safety, Laboratory Hazardous Waste, Ladder Safety, Personal Protective Equipment (PPE) Awareness, Portable Fire Extinguishers), Social Media and Communication (Instagram, LinkedIn, Twitter, Facebook, YouTube, Zoom)

LEADERSHIP & SERVICE

May 2020- May 2021 | **MEMBER: Sigma Xi** | Virginia Tech, Blacksburg, VA | Scientific Research Honor Society for scientists and engineers elected based on research achievements

February 2019-May 2020 | **VICE PRESIDENT: MANRRS** (Minorities in Agriculture, Natural Resources and Related Sciences) | Virginia Tech, Blacksburg, VA | Assisted with meetings and events while overseeing all operations and ensuring the maximum performance from the executive board

August 2018-May 2019 | **MENTOR: LIFE SCIENCE MENTORING PROGRAM**

Virginia Tech, Blacksburg, VA | Set academic, professional, and personal goals and helped mentees achieve them by educating them about various resources available on campus, studying, tutoring and companionship

January 2018-May 2019 | **SECRETARY: SAAS** (Student African American Sisterhood) | Virginia Tech, Blacksburg, VA | Maintained and recorded notes from meetings, managed tasks and responsibilities and effectively communicated updates to the organization members