

## **Charles Ronald Lampman Jr.**

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### EDUCATION

#### **Calculus II, Spring 2025**

##### **Jefferson State Community College, AL**

Purpose: Building mathematical literacy for ecological modeling

GPA: 4.0/4.0

#### **BS in Marine and Biological Sciences, August 2021**

##### **Minor in German**

##### **The University of Alabama, Tuscaloosa, AL**

**(Dauphin Island Sea Lab (DISL), Dauphin Island, AL [GPA: 4.0/ 4.0])**

Undergraduate Research: Bioinformatics in Phycology; Dendrochronological evidence for hurricanes

GPA: 3.32/4.0

#### **Associates of Science, May 2017**

##### **Marion Military Institute, Marion, AL**

GPA: 3.16/4.0

#### **Gaelic Language School, Summers 2016, 17, and 18**

##### **Oideas Gael, Donegal, Ireland**

GPA: 4.0/ 4.0

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### ACADEMIC EXPERIENCE

#### **Field Technician, Paint Rock Research Center May 2024 – August 2024**

##### **Alabama A&M, Huntsville, AL**

Responsibilities included:

- 10 hour field days
- Locating, identifying, and recording tree data
- Input data and analyzing via R
- Identifying species from diverse phylum
- Maintaining recording equipment, UTV, and research station
- Living with co-workers in an isolated setting
- Maintaining smiles under long exposure to the elements
- Working with two different organizations, TNC and A&M, with different goals

**Laboratory Undergraduate Assistant, Phycology Lab August 2019 – August 2021**

**The University of Alabama, Tuscaloosa, AL**

Responsibilities included:

- Symposium talks and manuscript preparation
- Processing large data sets, both genetic and environmental factors with C
- Using USGS data sets to reveal hydrologic patterns in the Gulf of Mexico
- Using RStudio to elucidate environmental, species to species, and genetic interactions
- Writing on co-occurrence networks to reveal beta-diversity between collection sites
- Using electrophoresis to target specific genome regions
- Performing PCR on samples
- Use of micropipette

**Student, Dauphin Island Sea Lab (DISL) May – Aug 2021**

**DISL, Dauphin Island, AL**

Opportunities:

- Transects in Tidal Marshes, Open Ocean, and River
- Deployment of scientific equipment under motion
- Trending of environments over months under multiple parameters

**Laboratory technician, Dendrochronology Lab December 2017 – August 2018**

**The University of Alabama, Tuscaloosa, AL**

Responsibilities included:

- Microscopy work
- Cross referencing current hydrologic data with cataloged data
- Organization of thousands of data samples
- Manuscript and graphical preparation

**CONTRIBUTIONS**

Therrell, M. D., Elliott, E. A., Meko, M. D., Bregy, J. C., Tucker, C. S., Harley, G. L., Maxwell, J. T., & Tootle, G. A. (2020). Streamflow Variability Indicated by False Rings in Bald Cypress (*Taxodium distichum* (L.) Rich.). *Forests*, 11(10), 1100. <https://doi.org/10.3390/f11101100>

**PRESENTATIONS**

**Lampman, R. Charles**, Bombin, Sergei, and Lopez-Bautista, M. Juan. “Detection of Non-indigenous Algal Species in the Northern Gulf of Mexico through Environmental DNA Metabarcoding” Undergraduate Research and Creative Activity Conference. March 2021. University of Alabama.

## OUTDOOR EXPERIENCE

### MISSISSIPPI RIVER EXPEDITION with **Drift South Expedition**

**Enable institutions to continue studying, monitoring, and advocating for the Mississippi River through grass-roots science support, community engagement, and amplifying awareness through media.**

Responsibilities Include:

- Developing methodology with personal and advisor direction
- Managing a 6 person crew
- Networking with partners
- Building education plans
- Plan tabling events and literature
- Collaborate to create sampling regimes
- Advocate for policy affecting the Mississippi River Basin
- Row 2000+ miles while managing locks, dams, and barge traffic



### APPALACHIAN TRAIL THRU-HIKER 2022

**Completed the continuous 2,194.3 mile hike from Georgia to Maine** over 7 months. Daily self-motivation attributed to the success of myself and team, as did crisis/ conflict management. Organization and persistence outside of normal work hours contributed to the hike's completion.

### CERTIFICATIONS

- Open water certified, SSI (24 dives, 5 night dives)
- Wilderness First Responder
- CPR Certification
- Epinephrine Administration
- NYS Whitewater Guide and Canoe Guide
- Class V-vessel license
- Alabama Certified Prescribed Burn Manager

### RELEVANT WORK EXPERIENCE

**Naturalist and Operator, Alabama Backpacking and Adventures Aug 2023 – May 2025**  
**Southeast, United States**

Responsibilities Include:

- Developing curriculum for diverse age ranges and abilities
- Utilizing maps, USGS, and other data to plan for over-nights to weeks long trips
- Logistics of food, medicine, and transport for clients and gear
- Performing occasional first aid and speaking with medical personnel
- Collaborating with experts to expand trip capabilities (i.e. climbers, professors, captains)

**White Water Guide and General Laborer, Adirondack River Outfitters May – July 2023**  
**North Creek, NY**

Responsibilities Included:

- Adapting management skills to fit an ever-changing team from diverse backgrounds.
- Displaying poise in life threatening situations
- Narrating concise directions to untrained personnel
- Communicating with other guides to diminish risk
- Use of mechanical advantage systems, powertools, and heavy lifting
- Understanding of water

**Naturalist, Naturalist at Large February – May 2023**

**California**

Responsibilities included:

- Management and teaching of grades K-12
- Adapting lessons for various learning styles and ages
- Providing leadership for groups of 8-30 people
- Planning and adapting lessons within a moments notice
- Sustained physical effort for long hours
- Displaying calm in taxing situations

**Aquarist and Educator, Pennington Marine Science Center August – November 2021**

**Catalina Island, CA**

Responsibilities included:

- Maintenance of tanks, animals, and Life Support System (LSS)
- Finding trends in LSS statistics to diagnose problems
- Writing curriculum for Oceanography course to encompass a broad level of learning ability
- Operation of ROV for MPA monitoring
- Maintenance of SCUBA equipment
- Driving for small boat dives
- SCUBA and free-diving to collect specimens

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**OUTREACH**

**Citizens' Climate Lobby Liaison and Volunteer May 2025 – Current**

**AL-03, AL-01, National**

Meet with representatives to advocate for policy affecting climate change. Create connections with staff to arrange meetings. Table to engage the public. Learn the policy decision making process and aid in injecting a pro-climate agenda. Attend a D.C. based Lobbying Day and Conference.

**Wild Alabama Volunteer December 2023 – May 2025**

**Wild Alabama, AL**

Meeting monthly for trail maintenance, environmental activism, and to seek comradery in and with the wild environment.

**Coosa Riverkeeper Volunteer December 2021 – February 2022**

**Coosa Riverkeeper, Birmingham, AL**

Met periodically to help with collections of water samples, to isolate point-source pollution. Researched pollution litigation for counties within the Coosa River watershed.

**Freshman Collegiate Sport Mentoring Program May 2019 – May 2021**

**Alabama Men's Rowing Club, The University of Alabama, Tuscaloosa, AL**

Met biweekly with freshman rowers to alleviate the hardships encountered in rowing. Advised students on academic routes, study plans, and schedule maintenance. Helped build connections within the UA community.

**Environmental Council August 2018 – December 2020**

**The University of Alabama, Tuscaloosa, AL**

Met weekly to discuss the environment on and around The University of Alabama campus. Participated in education of K-12 of environment issues and mitigation. Built, maintained and transitioned care of grade school gardens to children. Helped organize and participate in protests.

**Student Leadership Experience August 2015 – May 2017**

**Marion Military Institute, Marion, AL**

Met weekly to be advised and discuss community issues in and around Marion, AL. Community outreach was planned and implemented, including clean ups and landscaping for community centers.

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**AWARDS AND MISC.**

**AWARDS**

1. Citizens' Climate Lobby Summer Conference Award, Summer 2025
2. Oideas Gael Gaeltacht Award, June-July 2018
3. President's List, The University of Alabama, DISL, Summer 2021
4. Dean's List, The University of Alabama, Fall 2017, Spring 2018
5. Dean's List, Marion Military Institute, Spring 2017, Fall 2015
6. Gaelic Club President, Marion Military Institute, Fall 2016 – Spring 2017
7. Phi Theta Kappa, Marion Military Institute, Spring 2016
8. Eagle Scout Award, July 2015

## SOFTWARE

- R Studio
- ODV
- C
- Python

## LANGUAGES

- German B1 (untested)
  - Irish intermediate
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## OTHER WORK EXPERIENCE

### **Laborer and Writer, Heath Chimney Services Sep 2024 – Current**

#### **Alabama, US**

##### Responsibilities Include:

- Writing new and editing existing SOPs.
- Warehouse and fleet maintenance/ inventory
- Teamwork in dangerous conditions
- Customer service
- Navigating social situations with diverse people
- Working long hours with heavy equipment in risky environments
- Performing occasional first aid

### **Microbiology Containment Control Specialist, Evonik Oct 2023 – Jan 2024**

#### **Birmingham, AL**

##### Responsibilities Included:

- Adherence to GMP, GDP and GLP
- Sampling including Non-Viable Particulate, Bioburden, Endotoxin, etc.
- Trend analysis
- Laboratory testing (bioburden, endotoxin, sterility, growth promotion)
- Clean room gowning and etiquette
- Half-body suit isolator work
- Working with and around APIs and bacterial strains
- Sending and receiving of biological samples

### **Marine Contractor, H. Arenburg Marine Construction July – Sep 2023**

#### **Cape May, NJ**

##### Responsibilities included:

- Operation of push boats to move barge into and out of ports
- Clear communication in a dynamic environment
- Timing work with wave action, tides, and storms

- Working with cranes to move large equipment
- Operation of light power tools
- Prolonged hours of exposure
- Repetitive lifting of 50+lbs

**Office Assistant, Center for Cuba Collaboration and Scholarship June – July 2019**

**The University of Alabama, Tuscaloosa, AL**

Responsibilities included:

- Office file organization
- Personnel mitigation
- Processing data for prospective researchers

**Upper Classmen Rower, Alabama Men's Rowing Club August 2018 – May 2021**

**The University of Alabama, Tuscaloosa, AL**

Responsibilities included:

- 0445 practice
- Mentor for freshman; scholastic, schedule, and workout
- Written personal evaluations
- Boathouse repair
- Boat maintenance
- Property landscaping

**Chicken Processor, Tomlin Family Farms August 2015**

**Pell City, AL**

Responsibilities included:

- 0500 start time
- Poultry care
- Poultry processing
- Lifting in excess of 60 lbs regularly

**Welding Assistant, Tom's Fencing and Welding June – July 2015**

**Pell City, AL**

Responsibilities included:

- 0500 start time
- Powder Coating miles of fencing
- Laying miles of iron-rod fencing
- Equipment care

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