

Biloxi, MS • (XXX) XXX-XXXX • XXX@gmail.com • LinkedIn.com

## PLANT ECOLOGIST

*Developing innovative solutions to improve the future*

Ambitious and sharp plant ecologist with expertise in community and plant ecology. Proficient at presenting scientific lectures over a wide range of biological principles and processes. Seasoned research background in laboratory and forest and maritime environments. Communicates results clearly and concisely. Works collaboratively across teams, teaches and trains using accurate sources of information. Passionate about making a long-term impact.

*“Paul has taught many sections of undergraduate and graduate labs. Dendrology is a very difficult lab and speaks well to his abilities. It also involves field trips for which he was responsible for coordination of data collection. Paul’s evaluations for these labs have been stellar.*

*He is organized, unselfish, and a strong team player. He will be an excellent colleague and is a credit to the University that trained him.”*

**Michael D., Associate Professor**  
Director, Lake Thoreau Environmental Center

### SOFTWARE

*Statistical software used in Ecology: JMP, R, R Studio, Excel*

### COMPETENCIES

*Strategic Thinking • Data Analysis • Organization*

*Teamwork • Automation • Experimental Design*

*Analytical Skills • Plant Identification • Taxonomic Keys and Guides*

*Data Collection • Leadership • Research • Problem Solving*

*Excellent Written and Interpersonal Communication*

*Collaboration • Summaries & Reports*

## EDUCATION

### UNIVERSITY OF SOUTHERN MISSISSIPPI

**Masters of Science, Biological Sciences – 2019**

**Bachelor of Science, Biological Sciences – 2016**

Minor: Chemistry

**Leadership Scholarship Recipient**

## PROFESSIONAL EXPERIENCE

**SAKHANOKHO PLANT GENETICS LAB • Poplarville, MS • 08/2019 to 01/2020**

### Lab Assistant – Internship

Paid internship working under the direction of the United States Department of Agriculture, assisting with greenhouse management; remediated plant management and grew new plants from existing plants and seeds. Primarily focused on blueberries- half greenhouse and half the molecular part- doing the lab work doing plant media.

- *Performed invitro plant tissue culture; assisted with greenhouse and horticultural work including watering and hybridizing plants. Mixed soils, prepped greenhouse space, physically planted, and transferred plant yields to larger growing spaces.*
- *Determined plant ploidy and DNA content using a flow cytometer, mixed solutions, and helped with data collection and entry.*
- *Assisted with enhancing agricultural and horticultural strategy by implementing protocols developed from scientific investigation, taking learnings from plant growth.*
- *Wrote technical reports to support scientific investigation and provided to the State of MS and Southern Easter Gardner’s growers and nurse owners.*

**SAKHANOKHO PLANT GENETICS LAB – CONTINUED:**

- *Organized all written notes into data into digital copies for ease of access, sustainability, and future learning libraries.*
- *Progress achieved considered the largest impact in re-organizing and re-developing the scientific inventory, physically removing and re-organizing plants and data in the lab.*

**UNIVERSITY OF SOUTHERN MISSISSIPPI • Hattiesburg, MS • 01/2017 to 10/2019**

*A public research university with its main campus in Hattiesburg, Mississippi.*

**Research, Teaching Assistant | Technician - Davis Plant Ecology Laboratory**

Paid position held with the college while completing master's program. Researched over 1000 sample spots in the National forest of DeSoto, MS. Studied the effects of other variable factors. Learned ecological research methods, forest management methods, proper protocols and procedures to manage your forest. Recorded and synthesized ecological data. Heavy statistics.

- *Collected diverse types of ecological data in a wide range of forest and coastal ecosystems using several methodologies.*
- *Conducted laboratory analyses of field data, such as, soil nutrient analyses, soil texture analyses, soil hydrology assessments and plant species identification.*
- *Designed ecological studies and organized datasets for statistical analyses.*
- *Conducted ecological assessments to ensure scientific perspectives/recommendations on ecosystem management, ecosystem health, and conservation strategy.*
- *Taught biological/ecological laboratory courses and evaluated academic performance on class work, quizzes, tests and research projects to determine accurate, fair grades.*

**INSTITUTE FOR MARINE MAMMAL STUDIES • Gulfport, MS • 05/2016 to 01/2017**

*A research organization located in Gulfport, Mississippi and dedicated to education, conservation, and research on marine mammals in the wild and in captivity.*

**Marine Conservation Educator**

Managed marine facilities including marine exhibits, touch pools, dolphin pools, and gift shop and educated visitors about marine ecosystems and conservation efforts using presentations and live animal interactions.

- *Developed and maintained effective working relations with related departments, agencies, and individuals in order to successfully facilitate marine mammal rehabilitation and conservation strategies.*
- *Assisted with developing marine mammal stranding, rehabilitation protocols, and emergency stranding rescues.*

**SPECIALIZED TRAINING**

**MISSISSIPPI FORESTRY COMMISSION MISSISSIPPI • Certified Prescribed Burn Manager – 2019**

**VOLUNTEERISM**

**LAKE THOREAU ENVIRONMENTAL CENTER • Hattiesburg, MS • 01/2017 to Present**

- *Assists with annual Spring Plant Sale, assists in setup and takedown of the Hollow Halloween Festival; drives for haunted trail hayride*
- *Provides assistance for the Rattlesnake Ramble 5K Run participants*
- *Assists with day-to-day volunteering services at Lake Thoreau*