

## **EDUCATION**

College of William and Mary (W&M) · Williamsburg, VA  
B.S. in Biology, Minor in Data Science · GPA: 3.3 · May 2022

## **EXPERIENCE**

### **Product Development Intern · Sustainable · Pittsburgh, PA (Remote) · Spring 2022**

Built an algorithm using historical revenue data to provide entrepreneurs with accurate revenue projections.

- Researched accurate and reliable business data to use for projects.
- Built a python dictionary to map an industry list to SIC codes.
- Created revenue projections for clients catered to their industry.

### **Undergraduate Researcher · ACER Lab at W&M · Williamsburg, VA · 2019-2022**

Applied occupancy models using R and Microsoft Excel to discover important environmental factors for frog conservation.

- Used GPS units to locate pond sites for calling surveys and data collection.
- Learned frog mating calls to recognize species and collected environmental data such as temperature and noise level.
- Tested the performance of multi-state occupancy models with different environmental covariates.

### **GIS Analyst · Geospatial Lab at W&M with partner American Prairie · Williamsburg, VA · Spring 2022**

Identified undisturbed grasslands in Montana using ArcGIS Pro in an effort to better understand the carrying capacity of the land.

- Searched for data such as NLCD, LiDAR, and NDVI layers.
- Created a time-series layer using NLCD data from multiple years to analyze trends in land-use.
- Effectively communicated with partner American Prairie about progress on project.

### **Student TA · Intro to Ecology, Evolution, and Organisms · Williamsburg, VA · 2020-2021**

- Presented class lectures for students on Urban Ecology.
- Helped students during office hours by explaining concepts and offering study tips.
- Developed exam questions based on material presented in class.

### **Shift Leader · Cold Stone Creamery · Alexandria, VA · 2019-2022**

- Supervised coworkers to open or close the store by communicating effectively and delegating tasks.
- Managed the store alone by multitasking and prioritizing customers.
- Helped customers by informing about store products, taking orders, and resolving any issues.

## **ACTIVITIES**

### **Passing Notes A cappella · Music Director · 2020-2021**

- Ran rehearsals keeping members on task and effectively managing available time.
- Communicated with members to handle attendance and schedule performances.
- Oversaw the rest of leadership council, delegating work when necessary.

### **W&M Symphony Orchestra · Principal oboe · 2018-2022**

### **W&M Wind Ensemble · Principal oboe · Spring 2022**

## **SKILLS**

Technical: Python, R, ArcGIS Pro, Microsoft Excel, Tableau, HTML

Analytical: Data visualization, Debugging, Data cleaning, Model-building, Machine learning