

# MIRANDA SILANO

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Miranda Silano is a graduate student at Auburn University with an overall interest in resilience to climate-related hazards and communication of those hazards. Her current research interest involves the resilience of coastal cities along the Gulf of Mexico in the United States to climate hazards unique to coastal environments.

## EDUCATION

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<b>MS</b>	Auburn University, Geography Advisor: Dr. Chandana Mitra NSF Research Trainee	August 2021 - Present
<b>BS</b>	University of Florida, Geology Graduated Cum Laude Dean's List: Spring 2020	January 2018 - August 2021

## RELEVANT COURSEWORK

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**Geology:** Environmental and Engineering Geology, Historical Geology, Mineralogy, Igneous and Metamorphic Petrology, Sedimentary Geology, Geology of American National Parks, Professional Geology, Geologic Field Methods, Geologic Field Camp, Geophysics, Structural Geology, Oceans and Global Climate Change, Applied Vertebrate Paleontology Research Methods.

**Geography:** Aerial Photography and Remote Sensing, Natural Hazard Risk and Disaster Resiliency, Economic Geography.

**Other Sciences:** General Chemistry 1 with Lab, Applied Physics 1 with Lab, Principles of Biology 1 and 2 with Labs, Biological Anthropology with Lab.

**Professional Development:** Geocommunication, Professional Writing, Fundamentals of Speech, Accelerated Spanish Review, Critical Thinking.

**Math:** Analytical Geometry and Calculus 1 and Statistics 1.

**Short Courses:** Climate Adaptation Planning for Emergency Managers (NDPTC and FEMA Course AWR-347), Coastal Hazard Awareness (NDPTC and FEMA Course AWR-379).

## RESEARCH

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**Master's Thesis,** Auburn University August 2021 - Present  
Topic: To examine the resilience to coastal climate hazards for 5 medium-sized cities along the United States Gulf of Mexico. The hazards for these cities will be evaluated, along with the vulnerability of these cities, and how their resiliency can be improved.

**NSF Research Traineeship (NRT),** Auburn University August 2021 - Present  
Funded trainee in Auburn University's Climate Resilience NRT Program, allowing trainees to work directly with stakeholder groups to learn about climate change resilience and communication.

**Undergraduate Research,** University of Florida February 2019 - Present  
Advised by Dr. Bruce MacFadden and Sean Moran, "Stable isotope paleoecology of carnivores from the White River Group during the Eocene-Oligocene Transition," involved using stable isotope geochemistry to piece together the effects of predator-prey relationships during extinction brought on by climate change.

**Field Researcher,** University of Florida July 2019  
Acquired specimen and relevant locality data for her undergraduate research project for three weeks in Oglala National Grassland, Nebraska, and Toadstool Geologic Park, Nebraska.

## OUTREACH

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**GeoGator Volunteer,** Howard Bishop Middle School Science Night February 2020  
Volunteered as a member of the University of Florida's GeoGator's (through the University of Florida's GeoClub) outreach event at a middle school science night to provide students with hands-on geology exhibits.

**Camp Volunteer,** Help a Diabetic Child Foundation August 2019  
Designed interactive activities to educate kids ages 8-15 on geology and paleontology, along with helping them manage their diabetes.

**Can You Dig It? Volunteer,** Florida Museum of Natural History Spring 2019  
Volunteer with GeoGator's at the museum's annual geology outreach event with the local families in and around Gainesville, Florida.

**Catalyst Event for the Innovation Academy,** University of Florida June 2018  
Developed an educational board game for children ages 7 and up on biodiversity and presented the game to a panel of business professionals through posters and elevator pitches.

## **PUBLICATIONS: CONFERENCES**

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**Oral Presentation**, Geological Society of America October 2021  
**Silano, M.**, Moran, S., Ross, M., 2021. Stable Isotope Paleoecology of Carnivores During the Eocene-Oligocene Transition of Nebraska. Geological Society of America Abstracts with Programs. Vol 53, No. 6, 2021. DOI: 10.1130/abs/2021AM-364272

## **LEADERSHIP**

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**Exotic Animal Club**, University of Florida, Spring 2018 – Spring 2021  
Held the positions of Social Director, Secretary, and President, and was involved in organizing meetings and events, managing social media accounts, networking, and recruiting members, and help manage finances and attendance.

**Iota Alpha Sorority**, University of Florida Summer 2018 – Spring 2019  
Founding executive board member and first Historian, and was involved with constructing the Sorority Constitution, mascot, logo, recruit sisters, and help organize events.

## **AWARDS**

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**The Paleontological Society's GSA 2021 Conference Participation** October 2021  
**Grant to Support Inclusion**, The Paleontological Society  
Received a travel grant to alleviate fees for the annual GSA 2021 conference.

**Florida Bright Futures Medallion Scholar**, Florida Lottery Fall 2017 – Summer 2021  
Received coverage for 75% of tuition and fees for 120 credit hours if 12 credit hours a semester (6 for summer semesters) and a 2.75 GPA was maintained.

**Grad-a-Gator Grant**, University of Florida Spring 2020  
Rewarded undergraduates making satisfactory progress while maintaining 15 credit hours a semester.

**Stephen Bufton Memorial Educational Fund**, American Business Women's Association Summer 2018  
Received a scholarship for women in STEM fields based on academic and personal accomplishments.

## **EMPLOYMENT**

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**Server and Sales Associate**, Olive Garden Italian Restaurant August 2018 – June 2021  
Delivered polite, courteous, and timely service to guests while utilizing interpersonal skills.

**Beverage Cart Server and Busser**, La Playa Golf Club      September 2014 – December 2017

Trained other employees and provide clubhouse and course duties and built relationships with members.

**Stage Manager**, The Village School of Naples      August 2017 – November 2017

Worked closely with the director to direct backstage activities and assisted actors and technical crew.

## **SKILLS**

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- Proficiency in Microsoft Products (Word, PowerPoint, Excel) and Adobe Illustrator.
- Cohesively accomplish tasks in large and small groups.
- Empathetic towards numerous groups of people developed through outreach and leadership experiences.
- Effectively communicate scientific information and knowledge with people of different scientific backgrounds.
- Organizational skills developed through stage managing and data managing experiences.
- Creatively designed activities to engage K-12 students in scientific concepts.
- Properly maintain and update social media platforms such as Instagram and Facebook.

## **AFFILIATIONS**

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Sigma Gamma Epsilon Honor Society      September 2021 – Present

Paleontological Society of America      August 2021 – Present

Geological Society of America      June 2021 – Present