



## Science Influencers Program INTERNSHIP APPLICATION EXAMPLES

Your FULL Name: Lucie

Email:

Host Organization Name: Texas A&M University at Galveston

Internship Location: Galveston, Texas

Internship Start Date: 06/01/2022

End Date: 08/22/2022

Field Supervisor's Name: Victor

Field Supervisor's Title: Associate Professor

Field Supervisor's Email:

**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

The plan for Ms. Hartman's mentorship involves working from a strict research agenda that will investigate the communication of science as a general notion, and the public outreach and communication efforts of private and public research institutions that are working specifically in the area of invertebrates (i.e., jellyfish, Scyphozoa, Aurelia, etc.). In addition to her mandated coursework for the program, a generalized overview of the mentorship work plan includes:

- Regular communication with the Mentor regarding the requirements for each step of the research agenda; Development of a central thesis to be researched; Collection of data relevant to the thesis. This research can include, but is not limited to, scientific literature, databases, participant observation/shadowing, interviewing, comparative studies, etc.;
- Contacting public/private research facilities to gain facility and personnel access; Analysis of the data;
- Again, in collaboration with the Mentor, the writing of the research findings for possible publication in an academic/science journal and/or science association poster presentation(s);
- Writing a short, accessible, non-academic piece on the thesis subject for submission to the local newspaper; A final reflection (journaling) on the Mentorship experience.

**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Engage in advanced academic research and writing in order to fully understand the process
2. Experience high impact learning via hands on participation in a research institution
3. Hone advanced scientific writing skill set
4. Create an understanding of the necessities for producing and disseminating scientific information in ways more comprehensible in non science audiences
5. Produce an article that is submitted for journals and scientific association presentations
6. Prepare scientific materials suitable for inclusion into a resume folio for potential job and or graduate school applications

**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

The Special Project for this summer internship will be a report and presentation on the jellyfish lab at TAMUG current projects and research studies. There is a some information online, but it is general and outdated. The goal of this special project would be to interview the PI, graduate students, and undergraduate students in the lab and write up summaries of their work that have the potential to be posted to their website.



**Science Influencers Program**  
**INTERNSHIP APPLICATION EXAMPLES**

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Your FULL Name: Kiara

Email:

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Host Organization Name: Texas Sea Grant/Texas A&M Agrilife Extension

Internship Location: 4102 B Main St, La Marque TX 77565

Internship Start Date: 05/01/2022

End Date: 07/10/2022

Field Supervisor's Name: Julie

Field Supervisor's Title: Coastal & Marine Resources, Galveston County

Field Supervisor's Email:

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**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

The student will assist the field supervisor in activities related to the design and implementation of science outreach programs such as Camp Wild, fall Master Naturalist classes, teacher workshops, and other community outreach programs in Galveston County. The student will also collaborate with partners from Texas Sea Grant, Galveston Bay Area Master Naturalists, National Ocean Climate Change Interpreters, Armand Bayou Nature Center, and community engagement specialists throughout these projects.

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**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Assist in developing curriculum for fall Master Naturalist night classes
2. Engage in hands on learning experiences through participation in science outreach programs
3. Learn how to communicate scientific concepts to different audiences through a variety of delivery methods
4. Gain insight into the administrative tasks associated with Extension Service programming
5. Develop professional presentation skills through the Master Naturalist chapter meetings
6. Build a network of ocean science stakeholders through their experiences and collaborations in the internship program

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**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

The student will develop and deliver a presentation on a scientific topic for a Galveston Bay Area Master Naturalist chapter meeting and/or class. They will create the presentation based on the knowledge gained throughout their ten-week internship experience. This presentation will allow the student to further develop their science communication skills.

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**Science Influencers Program**  
**INTERNSHIP APPLICATION EXAMPLES**

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Your FULL Name: Jose

Email:

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Host Organization Name: Global Cold Chain Alliance/World Food Logistics Organization

Internship Location: Arlington, Virginia

Internship Start Date: 05/30/2022

End Date: 08/05/2022

Field Supervisor's Name: Amanda

Field Supervisor's Title: Senior Director of International Projects

Field Supervisor's Email:

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**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

The student intern will provide programmatic and administrative support to its international development and government affairs initiatives. Student intern will be actively involved in a range of initiatives including (1) individual Capstone projects and (2) collaborations with colleagues. A student intern's primary areas of involvement may include International Development, Government Affairs, Public Policy, and International Membership.

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**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Understand systems for international project management including deliverable review and billing and implementation
2. Participate in proposal development (i.e., technical proposal writing and submission and budgeting)
3. Assist GCCA Government Affairs Director in developing policy related content for industry publications
4. Coordinate proposal development with the international team in bidding for new international development projects funded by the US Department of Agriculture and US Trade and Development Agency and US Agency for International Development
5. Network with specialists and solicit technical content and input for WFLO international projects
6. Develop two deliverable individual capstone projects surrounding current GCCA International Projects

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**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

The student intern will partake in a Capstone Project. The intern will assist and conduct reports regarding women's involvement/leadership within the cold chain process. As a student intern, they will be tasked with conducting research to identify the gender gaps that exist within positions in the cold chain. In collaboration with their Senior Director and colleagues, the student intern will assist in the development of presentation materials geared toward companies and partners within the Global Cold Chain Alliance. Additionally, the student intern will assist in an ongoing project reviewing the Dominican Republic's regulations regarding the cold chain process. Through editing their perishable manual, the student intern will: review proper citations and information, research food safety and commodities within the Dominican Republic, and translate/transcribe text from Spanish to English as needed. Through their individual project, the student intern will be presenting their reports and/or research to their fellow colleagues within GCCA, as well as, fulfilling the Science Influencers Presentation requirement.

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## *Science Influencers Program* INTERNSHIP APPLICATION EXAMPLES

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Your FULL Name: Jared

Email:

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Host Organization Name: Southern Methodist University

Internship Location: Southern Methodist University

Internship Start Date: 06/01/2023

End Date: 08/10/2023

Field Supervisor's Name: Michael

Field Supervisor's Title: Professor

Field Supervisor's Email:

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**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

Research in the field, with multiple data sampling trips to relevant sites specific to specimens we are working on. When in Dallas or elsewhere, remote meetings will be held to discuss relevant points of interest in the research and affiliated papers. A public outreach aspect will be explored as well, through the composing of a YouTube channel to document the real science behind paleontology.

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**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Compose a professional, peer reviewed paper
2. Learn the skill of fossil preparation using modern tools
3. Learn best practices for samples used for radiometric dating
4. Network with other researchers
5. Create a unique public outreach effort through YouTube
6. Learn how to conduct a professional, large scale fossil excavation

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**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

Our primary project we'll be working on will be the preparation and description of a unique mosasaur specimen. Though a momentous task on its own, we will also be entering the preparation stages of a coniasaur specimen that may have important insights into the evolution and diversity of the group.

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**Science Influencers Program**  
**INTERNSHIP APPLICATION EXAMPLES**

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Your FULL Name: Camryn

Email: \_\_\_\_\_

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Host Organization Name: MIT

Internship Location: Cambridge, Massachusetts

Internship Start Date: 06/12/2023

End Date: 08/07/2023

Field Supervisor's Name: Qin

Field Supervisor's Title: Postdoc

Field Supervisor's Email: \_\_\_\_\_

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**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

I will take over a former lab member's project regarding microfluidics and cell culturing. Once I have familiarized myself with that project, I will be moved to the group project researching in vitro characterization of human retinal cells. This research relates chemical engineering concepts such as transport phenomena to biological systems. It is a full time position, and the team I'm working with will be overseen by postdocs. I have funding for nine weeks, and will work between the second week of June and second week of August. The entire lab is overseen by a professor of Chemical engineering at MIT. I will also take safety courses to prepare for the lab before my arrival to the university.

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**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Cell culturing
2. In vitro characterization and quantitative analysis
3. Microfluidics and immunofluorescence
4. Transport Phenomena, and cell, tissue and organ functions
5. Theory driven predictive models

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**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

Further understanding cell culturing, and analyzing diseased cells through immunofluorescence and microfluidics.

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**Science Influencers Program**  
**INTERNSHIP APPLICATION EXAMPLES**

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Your FULL Name: Jeremiah

Email: \_\_\_\_\_

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Host Organization Name: Bat Conservation International

Internship Location: Texas

Internship Start Date: 05/10/2023

End Date: 08/07/2023

Field Supervisor's Name: Amanda

Field Supervisor's Title: Director of Research Coordination

Field Supervisor's Email: \_\_\_\_\_

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**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

Assist in ongoing research hosted by Bat Conservation International, and communication with different members of the organization including those that deal with the social media of the conservation group.

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**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Learn and develop skills in relation to data collection of bat species. Including but not limited to, mist netting, acoustic monitoring, tagging, and other tools.
2. Gaining an understanding of how to digest collected data and transform the data into a deliverable.
3. Learning how to format deliverables to cater to stakeholders or public audiences.
4. Gaining cohesive knowledge that links bat species with the environments they reside in.
5. Develop a deeper skill in creating media content that is both entertaining and informational relating to the research.
6. Formulate communication skills that will lead to extensive networking opportunities.

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**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

Further discussion with the supervisor will need to be conducted before confirming the Special Project. Most likely will be in relation to the bat research currently being conducted by the organization.

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## Science Influencers Program INTERNSHIP APPLICATION EXAMPLES

Your FULL Name: Maria Fernanda Arcos Buenabad

Email:

Host Organization Name: Dog Aging Project

Internship Location: College Station Texas

Internship Start Date: 06/05/2023

End Date: 08/04/2023

Field Supervisor's Name: Jocelin

Field Supervisor's Title: Communications Outreach Manager

Field Supervisor's Email:

**Describe the Internship Plan** (General overview of the student intern's daily or weekly work activities):

We are looking for a Science Influencer student to join the Dog the Aging Project for a summer internship. Duties for this role include but are not limited to, writing communication content using DAP research, ongoing projects, publications, etc. in the following ways:

- Utilize social media and develop strategies for web-based messaging
- Analysis of demographics of DAP research/online events
- Produce and post blogs/newsletters
- Assist in the production and design of promotional and educational materials
- Organize and set up during the creation and editing of video production products
- Engage with participants within our online forum, The Dog Park.
- And other duties as assigned

Responsibilities:

- Create science-focused and educational DAP blog posts/infographics.
- Assist with social media content and analytics
- Pitch ideas for educational product development and digital media.
- Plan, market, and present the Community Science Social Media Series and Summer Pack Event.
- Take on assignments as needed.

**S.M.A.R.T. Learning Objectives** for the internship (S.M.A.R.T. objectives focus on knowledge, skills, and abilities to be gained from the internship and must be relevant to the student's academic studies):

1. Communications and Social Media: Assist the External Communications team with participant communication, community outreach, social media, and marketing efforts.
2. Science Focused Content and DAP Materials Development: Review, analyze, and utilize DAP research resources to create materials for internal and external use.
3. Digital Content Creation: Create science-focused online content - i.e. DAP blog posts, infographics, educational videos/clips, etc.

**Describe the Special Project** (each student intern will develop or guide and evaluate one project beyond regular daily activities; student, internship field supervisor, and program directors will review and agree to the Special Project).

- Community Science Social Media Series: Create an online series interviewing DAP participants to highlight experiences; product will be used on DAP's online and social media platforms.
- FY2022 Curated Data Content: Develop infographics and other DAP content from FY2022 data.
- Retention efforts research project: Assess and analyze retention throughout participants by asking:
  - What causes participant dropout? What outcomes did the focus group produce in re-engagement efforts? What burdens or hurdles were known? Why did you quit the DAP project?