

# JESSICA STEVENS

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## EDUCATION

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**University of Texas Rio Grande Valley, Brownsville**  
Master in Science  
Ocean Coastal and Earth Sciences

*August 2018 - Present*

**University of Texas Rio Grande Valley, Edinburg**  
Bachelor of Science, Biology - Life Sciences.

*August 2014 - May 2017*  
Overall GPA: 3.4

## CAREER OBJECTIVE

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To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective and help save the Earth.

## PROJECTS

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### **Lagrangian Flow Network Analysis in the Gulf of Mexico**

The project aims at using self-organizing maps as well as the lagrangian flow network, as studied in the Mediterranean sea, combined to study the movement of particles across a matrix made in the Gulf of Mexico. This allows us to study the loop current and its eddies to better understand the impacts it may have for biological impacts.

### **US-Russia Nuclear War Simulation on the Oceans**

Here we use a insert type of model to estimate what would occur in the ocean if number of tg of carbon were to be released into the atmosphere. We mostly focus on Net Primary Production, Luminescence, Sea Temperature, and Nutrients at different depths in different oceans and seas.

### **Thesis idea?**

Studying the results of the loop current to determine it's effects on critters in the gulf.

## TECHNICAL STRENGTHS

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<b>Modeling and Analysis</b>	Python, Jupyter
<b>Software</b>	MS Office, Latex, Anaconda

## WORK EXPERIENCE

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**UTRGV, Port Isabel**  
*Graduate Research*

June 2019

- Opportunity to learn code and run it in order to retrieve data and make plots for data analysis.

## ACADEMIC ACHIEVEMENTS

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I received a "Coder" sticker from Dr. Harrison, August 2019

## PERSONAL TRAITS

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Motivated to learn new things.

Polished leadership skills.

Work well with others.

Detail-oriented.