

# CLINTON STIPEK

GIS Analyst / Developer

EMAIL: CLINTON.STIPEK@RSMAS.MIAMI.EDU

PHONE: +1 253 278 9318

## EXPERTISE

Data Management



Spatial Analysis



Tableau



Stats



Programming (R, Python, SQL)



## EDUCATION

Master of Science -  
University of Miami

Miami, FL, USA - Dec 2018

Bachelor of Science -  
University of Washington

Seattle, WA, USA - Jun 2013

## PRESENTATIONS

ESRI User Conference  
Presenter - 2019

Resilience of Seagrass Communi-  
ties Exposed to Pulsed Freshwater  
Discharges: A Seascape Approach

SE Ecological Conference  
Presenter - 2018

Seagrass Communities in South  
Florida: Responses to Natural and  
Anthropogenic Strains

ESRI User Conference  
Presenter - 2018

Tracking Movements of Marine  
Mammals to Help Identify Spatial  
and Temporal Patterns

## PROFILE

I am a highly motivated data analyst working in a data management / visualization role that involves both development and analysis. I have experience working with spatial analysis, statistics, and modelling. My passion for learning new skills, solving complex problems, and thinking outside the box are all factors that I will be able to contribute immediately.

## EXPERIENCE

Verizon | December 2019 - Present

GIS Analyst / Developer

- Develop scripts for automation via Python to help cut time consuming tasks for data analysis.
- Build dashboards / data visualization via Tableau to display budget / build issues.
- Develop/fine-tune data extraction processes to provide insight.
- Implement statistical methods to produce instant analysis of multifaceted problems.

Comtech | April 2019 - December 2019

Data Analyst

- Collect, analyze, and quality review data to optimize data management processes.
- Formulating data management needs into discrete, manageable problems with defined outcomes and parameters via SQL.
- Apply and identify appropriate tools to collect, clean, and prepare large datasets.

University of Miami - Lirman Lab of Ecology | Dec 2017 - Present

Data Engineer

- Provided data driven guidance on complex questions to provide insight / projections.
- Conduct, coordinate, and direct modelling and analysis of research projects.
- Statistical analysis to examine dynamic and unique spatial patterns using ML.

University of Miami - Lirman Lab of Ecology | DEC 2017 - DEC 2018

GIS Analyst

- Developed predictive models using statistical analysis, projection modelling and ML.
- Designed methodologies to model components of complex issues.
- Cross-Collaborate with various teams on statistical and predictive modelling.

University of Miami Teaching Assistant | JAN 2018 - DEC 2018

Geographic Information Systems 460/660 (Undergraduate/Graduate)

- Assisted students in data acquisition, data storage, data analysis and display of spatio-temporal data layers.
- Helped build models in R and Python to visualize / automate projects.

## PUBLICATIONS

Stipek, C., Santos, R., Babcock, E., Lirman, D. 2020. Modelling the resilience of seagrass communities exposed to pulsed freshwater discharges: A seascape approach. PLOS ONE 15(2): e0229147.

## LEADERSHIP

University of Washington Student/Athlete - Leadership Council

T.A. Excellence Award - 2018-2019 University of Miami

Udemy Course Instructor - Introduction to ArcGIS Pro: A Beginners Course

ROOTS/JA - Community Volunteer, DV Supporter