

# CLINTON STIPEK

Data Engineer | Scientist

EMAIL: CSTIPEK@HOTMAIL.COM

I am a highly motivated data engineer working in a research / development role that involves feature engineering, analysis, and machine learning. I have experience working with large datasets, 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.

## EXPERTISE

Data Management



Programming (Python, SQL)



Stats



Data Visualization



Spatial Analysis



## EDUCATION

Master of Science -  
University of Miami

Miami, FL, USA - Dec 2018

Bachelor of Science -  
University of Washington

Seattle, WA, USA - Jun 2013

Data Science Certification -  
University of Washington

Seattle, WA, USA - Jun 2022

## 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

## EXPERIENCE

Oak Ridge National Laboratory | OCT 2021 - PRESENT

Data Engineer / Scientist

Using programmatic approaches to streamline processes and form data pipelines.

- Feature Engineering to streamline and clean large datasets.
- Structure and develop pipelines to transfer data.
- Leverage machine learning (Bayesian, Random Forest) to accurately populate dataframes.

Eagleview | FEB 2021 - SEP 2021

Data Analyst II

Provide data-driven analytics to solve business problems

- Statistical analysis for flight projections and calculating confidence intervals for metrics.
- Building visualizations / dashboards via PowerBI to display solutions to complex questions / problems.
- Develop statistical methods for MCMC models.

Verizon | DEC 2019 - FEB 2021

GIS Analyst / Developer

Manipulate and clean data using python / GIS to generate data-driven visuals and dashboards.

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

Comtech | APR 2019 - DEC 2019

Data Analyst

Collaborated with other teams to help streamline data management techniques and reports.

- 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 - APR 2019

Data Engineer

Feature Engineering on raw data to produce projections and provide adequate reports to multiple share holders.

- 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

Generated high quality QA/AC analysis for spatial and temporal environmental patterns.

- Developed predictive models using statistical analysis in Python (numpy, pandas, scipy).
- Designed methodologies to clean and process large datasets.
- Cross-Collaborate with various teams / stockholders on pathways and reports.

## 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 - Volunteer in Community Shelters, Lead Classrooms for Early Development