Phone: (973)229-9093, **Email:** mdiaz5215@yahoo.com, **Address:** 204 Drake Lane Ledgewood, NJ 07852, **Website:** https://futuregm.github.io/
Github: https://github.com/FutureGM/RDSB_Sports.git **LinkedIn:** https://www.linkedin.com/in/michael-diaz-data-science/

Michael Diaz

Football Operations Data Scientist & Scout

SUMMARY

Football Data Scientist with a background in Coaching, Recruiting, and Team evaluations, who is eager to combine passion for football with analytical strategies to develop and provide a championship-caliber roster. Collaborative team player with excellent communication skills, superior work ethic, and relentless desire to learn and grow within the ever-changing field of Data Science.

TECHNICAL SKILLS

Data Analysis, Statistical Modeling, Machine Learning

Python, Javascript

WORK EXPERIENCE

2018
Football Analyst
Worcester Polytechnic Institute

- Developed intricate algorithms based on deep-dive statistical analysis.
- Analyze complex data sets using advanced querying, visualization and analytics tools.
- Identified, measured and recommended improvement strategies for KPIs across all team performance areas.

2017 -2018
Wide Receiver/Special Teams Coach
William Paterson University

- Lead on generating team statistics/tendencies using Hudl
- Inputted weekly scouting assessments in team Hudl Database
- Extracted useable statistics to create meaningful Gameday visualizations
- Built playbook install, created 2D play visuals and attached in-game Video packages on Hudl Database for offense.

2016-2017
Linebacker/Special Teams Coach
Fairleigh Dickinson University

- Charted offensive scouting tendencies of opponents into Hudl
- Generate daily and weekly self-scouting charts and spreadsheets of practice and gameday data
- Assisted in building strength/speed program and recorded player measurable gains/losses into spreadsheet
- Implemented use of Interactive Whiteboards and tablets to examine scouting and playbook visualizations for players

PROJECT EXPERIENCE

2018- April
NFL Correlations
Chief of Data Visualization & Creativity

- Led in decisions regarding & created:
  - Visualization libraries and types
  - Features

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(Object-Oriented Programming Languages) Scikit-learn (Machine Learning), Pandas (Data Frames), Matplotlib & Seaborn & Plotly & D3 & Leaflet & Mapbox (2D Visualizations), Flask (Web Framework), Beautiful Soup (Web Scraping), Requests (API), Flexbox, CSS Grid

Business Intelligence Platforms

Excel, Tableau

Fast querying, sorting, reporting and powerful visualizations of Data.

Databases

MongoDB, MySQL

Distributed & Relational Databases. Collect, store, protect, and retrieve sensitive data.

Front-End Development

Big Three HTML, CSS, JS

jQuery (DOM Manipulation, Event Handling, Animation, Ajax), CSS Grid & Flexbox (Template Styling), Bootstrap (Web Framework)

- Tooltips
- Presentation

2018- June
Project Alpha Quake
Chief of Data Visualization & Creativity

- Led in decisions regarding & created:
  - Visualization libraries and types
  - Features
  - Tooltips
  - Presentation

EDUCATION

Graduation Date: July 2018
Rutgers Data Science Continuing Studies: Rutgers University

Graduation Date: May 2013
Bachelor of Arts- Elementary Education (B.A.): Kean University

CERTIFICATIONS

Python for Data Science Essential Training (Lynda)
MongoDB (Lynda)
HTML Essential Training (Lynda)
CSS Essential Training (Lynda)
JS Essential Training (Lynda)

ADDITIONAL EXPERIENCE

2014-2018
Elementary/Technology Teacher
Passaic City School District

- Led in teacher workshops/private instructions on logging student achievement into software like Google Sheets, Powerschool, and Gradebook.
- Provided individual instruction on gathering, parsing, and implementing student data.
- Utilized student data to structure individual accommodations