Phone: (973)229-9093, **Email:** mdiaz5215@yahoo.com, **Address:** 204 Drake Lane Ledgewood, NJ 07852, **Github:** https://github.com/FutureGM/RDSB_Sports.git **LINKEDIN:** HTTPS://WWW.LINKEDIN.COM/IN/MICHAEL-DIAZ-DATA-SCIENCE/

MICHAEL DIAZ

DATA SCIENTIST & EVERYTHING DEVELOPER

SUMMARY

As a Data Scientist and Developer, I combine the ability to sort, analyze, and visualize complex datasets into interactive charts. I can also take a project from an idea, to prototyping, to production. Ability to contribute to the full life-cycle of software development through Agile methodologies in a team or independent, as needed.

TECHNICAL SKILLS

Data Analysis, Statistical Modeling, Machine Learning

Python, Javascript (Object-Oriented Programming Languages) Scikit-learn (Machine Learning), Pandas (Data Frames), Matplotlib & Seaborn & Plotly & D3 & Leaflet & Mapbox

PROJECT EXPERIENCE

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

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

2018- April
NFL Correlations
Chief of Data Visualization & Creativity

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

2018- April
PyMongo & Web Scrape

➤ Web Application for scraping Space Data
- Use of Beautiful Soup & Browser Library
- Sorted into lists, dictionaries and DataFrames
- Connected to MongoDB through Flask

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)

WORK EXPERIENCE

2014-Present
Technology Teacher
Passaic City Gifted and Talented Academy

➤ Utilized student data to provide individual instruction on gathering, parsing, and implementing student data for

(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)

accommodations.

➢ Provide students with visual and tactile learning opportunities through use of Interactive Whiteboards

➢ Use communication software, like ClassDojo, to facilitate open communication with parents on student progress.

➢ Led in teacher workshops/private instructions on logging student achievement into software like Google Sheets, Powerschool, and Gradebook.

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

2014-2016
Offensive Line/Defensive Line/Special Teams Coach
Passaic High School

➢ Designed modified playbook installation and a visual playbook for incoming players and logged into Hudl Database

➢ Installed playbook for Freshman and JV players

➢ Generate and visualize tendencies of weekly opponents