

DYLAN DIAZ MORENO

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PERSONAL STATEMENT

A Computer Engineer who is currently pursuing his master's degree in Bioinformatics with a minor in Artificial Intelligence, at Johns Hopkins University. With industry experience working with a development team in a remote asynchronous environment, having mastered skills in self-discipline, time management and heightened productivity. Over the next few years, I intend to mature as a Machine Learning Engineer.

EDUCATION

Johns Hopkins University, Baltimore, MD

(expected) December 2022

MS, Bioinformatics

Relevant Courses: Advanced Practical Computer Concepts, Genome Analysis, Intro to Bioinformatics

Johns Hopkins University, Baltimore, MD

(expected) May 2023

MS, Certificate, Artificial Intelligence

Relevant Courses: Applied Machine Learning, Artificial Intelligence, Linear Algebra

Polytechnic University of Puerto Rico, San Juan, PR

May 2020

BS, Computer Engineering, (GPA 3.8/4.0, Awarded Magna Cum Laude, Capstone Project)

Relevant Courses: Calculus, Data Structures, Network Systems, Database Systems, Ethical Hacking, Software Engineering, Digital Signal Processing, Capstone Design.

COMPUTER ENGINEERING PROJECT EXPERIENCE

Polytechnic University of Puerto Rico, San Juan, PR

February 2020

- **Times Series Forecast:** Worked with time series dataset from Deribit trading market to perform forecasting of future points with exploratory data analysis. Used SARIMAX model as seasonal technique with Python as the programming language. With the role as leader of the team, this project was fully documented following Software Engineering cycle principles and was presented as a Capstone project in front of judges and engineers.

INDUSTRY EXPERIENCE

Union Auto Group, San Juan, PR

May 2020 – December 2021

IT Specialist/Developer

- Developed application to automate employee's payroll using Python based on commission.
- Configured hardware, devices, and software to set up workstations for employees.
- Kept detailed records of project progress, discrepancies, and other funding issues.

Profluent Group, San Juan, PR

April 2018 – May 2020

Software Developer

- Contributed to deployments by testing, debugging, and resolving issues for optimal results in a remote asynchronous environment.
- Demonstrated strong capabilities to work remotely with video conferencing, messaging, and using team management tools with services such as Telegram, Zoom, Slack and Trello.
- Worked with tools such as Linear Regression, Classification and Deep Learning for stock prediction.
- Created a monitor dashboard for crypto coins using web scraping, Python and MongoDB.
- Worked on the back end in a team environment developing a trading system for OKEx exchange using Java, Spring Boot and PostgreSQL.

INDEPENDENT PROJECTS

Chat Bot

- Integrated Discord platform API with a chat bot to perform various functions such as create and administrate gaming tournaments in servers in an automated way.

Image Recognition

- With the use of Convolutional Neural Networks and Keras framework, trained a model with 4,000 images of dogs and cats (total of 8,000) to predict the animal (dog or cat) in an image given by the user.

User Review Classification

- Preprocessed text data from restaurant reviews and classified them into either Positive or Negative, using Natural Language Processing and Random Forest.

Music Player

- Using JavaFX and Apache Derby, developed a local Spotify clone connected to database and a customizable graphical user interface.

SKILLS & CERTIFICATIONS

Skills: organization, time management, independent problem solver, adaptability

Languages: C/C++, Java, C#, Python, JavaScript

Operating Systems: Windows, Linux, MacOS

Tools: Pytorch, TensorFlow, pandas, scikit-learn, XGBoost, NumPy, Spring Boot, Arduino, Jupyter Notebook

Databases: Oracle, MySQL, PostgreSQL, MongoDB, Apache Derby

Certifications: Data Scientist for Python, Data Manipulation with pandas, Machine Learning A-Z, Deep Learning and NLP A-Z

Languages: Fluent in English and Spanish