ENZO RODRIGUEZ

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Profile

I have a strong interest in Topology(Mapping, Ripser, Persistent Homology) and incorporating Machine Learning Algorithms(Neural Networks, Artificial Intelligence). Strong background in Statistics with a full understanding of Linear Algebra and Topology.

Education

Data Science M.S.   08/2018 – 12/2019
University of Albany, Albany, United States
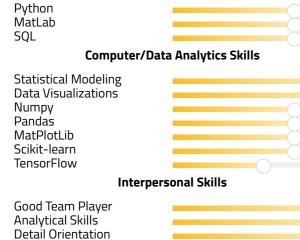
- Concentration in Topological Data Analytics.

Economics B.S.   01/2012 – 12/2017
University of Albany, Albany, NY, United States

- Minor in Business with a concentration in Econometrics.

Skills

Programming Languages

R
Python
MatLab
SQL

Computer/Data Analytics Skills

Statistical Modeling
Data Visualizations
Numpy
Pandas
MatPlotLib
Scikit-learn
TensorFlow

Interpersonal Skills

Good Team Player
Analytical Skills
Detail Orientation

Languages

English
Spanish
Italian

Work experience

Recursion Cellular Image Classification Competition   06/2019 – 09/2019
Kaggle, Albany, NY, United States

- Load and transform large sets of structured and semi structured images.
- Collaborated with team members to build a successful machine learning model.
- Use of Automated Machine Learning Tools (AMLT).
- Used Persistent Homology to optimize data classification.

Teacher Assistant   01/2017 – 12/2017
University of Albany, Albany, NY, United States

- Helped students develop business applications using Microsoft Excel.
- Tutored fellow peers in regards to the fundamental of information technology (IT), Organizational Strategy using IT, Customer Relationship Management, Supply Chain Management, Elements of e-business, information security, and cyber-ethics.

Econometrics Research Assistant   01/2017 – 05/2017
University of Albany, Albany, NY, United States

- Build a model showing correlations between a countries crime index and levels of education using Linear Regression.
- Collaborated with four team members to identify outliers in the data sets.
- Using R to analyze data with clustering techniques.

Stand Up Comedian   01/2012 – 12/2016
Various Comedy Clubs, New York, NY, United States

- Performed various acts in front of large crowds.
- Memorized and organized performances to perform.

Volunteering

Assistant Baseball Coach   04/2018 – present
Westland Hills Little League, Albany, NY, United States

- Assisted in coaching my sons little league team.
- Helped kids understand the fundamentals of Baseball.

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Cover Letter

EnzoData

As a student majoring in data science, I have been actively learning how to implement the various topics in mathematics that I have studied. My achievements on subjects that develop communication, data analysis and visualization abilities constitute on my capabilities in the field. I am certain that I have what you need and would become a beneficial extension to the company.

Over the course of my studies, I am capable in the design, innovation and development of dashboards and visuals alongside data analysis. As my resume attests to, I have gained an in-depth set of skills and experience during my tenure analyzing data from the University at Albany. One of the reasons I cherish this experience is that it has allowed me to collaborate internationally with both experts and non-experts in my field, and this ability is something I will utilize going forward. In addition to my teamwork experience in a practical environment.

Experience

Econometrics Research Assistant
- During my tenure being a research assistant under Professor Peng, I gained the knowledge and passion for Data Science.
- Working on Linear Regression models, helped me understand how Mathematics can be incorporated in the business spectrum of the workforce.

Teacher Assistant
- Working for Professor Sprissler, helped me understand that I can work on my interpersonal skills as more students tended to gravitate towards me, compared to the other TA's.

Kaggle Competition on Recursion Cellular Image Classification
- Using Persistent Homology to perform image classification, is something I fully understand and implementing this on training a Neural Network using CNN Topologies, was fascinating to work on.
- Working with people from different parts of the world to achieve the same goal is something I'm happy to be part of.
- Understanding how to respect everyones culture and religion, is a trait I'm proud to admit I have learned through this experience.

Why me?

To learn constantly, to meet new people, new cultures and realities, to work in a diverse environment with a non-stop growing potencial, is the right place for me to be and work. In the end, all my past experiences made me a more mature person and combining all my experience with the goals I want to achieve for the future, are the perfect match for me to become a successful Data Scientist in a major city. My search has given me an appreciation to work for a company where I can deliver all my human qualities and my true self. I would welcome the chance to discuss all of this, making myself available for any kind of attempt of contact. I'm incredibly excited to send this to you and look forward to be part of your organization.

Thank you for your time and consideration.

Sincerely,

Enzo Rodriguez