Personal Info

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Mail
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@gmail.com

Professional Networks
LinkedIn
ResearchGate

Programming

Python ★★★★★
Matlab ★★★★☆
R ★★★☆☆
C++ ★★★☆☆

Skills

Mathematics
★★★★★

Algorithms Design
★★★★★

Machine Learning
★★★★★

Pandas
★★★★★

Scikit-learn
★★★★★

Numpy
★★★★★

SQL
★★★★☆

**Data Visualization
Seaborn, MatPlotLib**
★★★★★

Data Cleaning
★★★★★

Languages

Spanish ★★★★★
English ★★★★☆
French ★★☆☆☆

Claudia Perez
Data Analyst

I'm a Data Analyst with strong autodidact skills and highly hands-on experience in complex problem-solving, Machine Learning and Statistics. Passionate about learning new technologies and a great lover of Mathematics and challenges. I have a Ph.D. Degree in Computer Science and Mathematics.

Experience

2019 - Now **Self-Employed** Data Science and Machine Learning Consultant

- Develop projects using machine learning, artificial intelligence and statistics in Python (Pandas, Scikit-learn, Numpy, Keras) with accuracy over 90%.
- Creating output to explain data analysis with data visualization (MatPlotLib, Seaborn).
- Experience working for customers with high expectations for a rapid solution to data science problems. **Recent projects**: House Price Prediction (Random Forest, Lasso Regression), Opening an Italian Restaurant in Atlanta (K-Means, Foursquare API), Predicting Cardano (Ada) Stock Price (LSTM Neural Network), Segmenting and Clustering Neighborhoods in Toronto.

2015 - 2019 **PhD Researcher** Autonomous University of the State of Morelos

- Classification of complex structures leading to graph representations.
- Tackling a classical algebraic problem as a graph problem, allowing to reduce the complexity of a well-know algorithm from $O(6^n)$ to $O(n^3)$.
- Experience designing and developing algorithms for a wide range of problems, mostly in Python.

2011 - 2014 **Graduate Student Researcher** Havana University

- Development of algorithms based on statistical and algebraic criteria to find function (S-Box) with desired properties.
- Design and development of an AES-like Block Cipher with dynamical MDS matrices.
- Design and development of a Random Generator of MDS matrices.

Education

2019-2020 **Data Sicence Professional Certificate** IBM

2015 - 2018 **PhD in Computer Science** Autonomous University of the State of Morelos, Mexico.

2016 **Python Specialization: Python for Everybody** University of Michigan. Coursera.

2012 - 2014 **Master in Science.** Havana University, Cuba.

2007 - 2011 **Bachelor in Mathematics** Havana University, Cuba.

* A complete list of my most recent publications in international journals with peer review can be consulted in my ORCID page