Genaro Garcia Pereyra

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Persistent, detailed-oriented data scientist with a software engineering background with a desire to contribute in the field of risk and fraud detection. I use my analytical abilities honed through personal web development projects and internship experiences in the fields of finance and risk assessment, and apply a balanced perspective between technical and user requirements when working on projects. Passionate about machine learning, and always looking for new exciting challenges and projects that allow me to grow professionally and personally.

Skills

Languages/Environments | Python, SQL, C, C++, Google Colab
Packages | Pandas, NumPy, NLTK, TensorFlow
Data Visualization | Seaborn, Plotly
Modeling | Statistical Modeling, Regression Models, Classification Models, Time Series Analysis, Neural Networks, Image Classification
Statistics | Statistical Distributions, Bayesian Analysis, p-Values, Hypothesis Testing, Bayes Theorem

Projects

Ames, Iowa Real Estate Analysis | General Assembly   (10/2019)

- Employed exploratory data analysis and preprocessing on a dataset comprising over 2000 home sales.
- Created new Engineered features using tools like Pandas dummies and one-hot encoding
- Developed machine learning (linear regression) models to predict the price of a house in Ames, IA.

Coexist | Web
Web Client: HTML, CSS, and ReactJS
Server: NodeJS
Database: DynamoDB, AWS, GraphQL   (01/2019)-(05/2019)

- *Coexist* lets you plan events, create and assign tasks and split bills conveniently, thus making living together more harmonious.
- Contributed in the creation of an all in one app that enables users to split bills, coordinate tasks and stay in touch
- Built a task manager that allows manual or random generated task assignments for efficient teamwork.
- Built an interactive interface where the users can send messages and interact within a group.

Relevant Professional Experience

GLAC | Mexico City, Mexico
Software Developer   (04/2017)-(03/2019)

- Contributed to the creation of python scripts for the computation of mathematical models which generated the daily estimations for the GLAC index platform.
- Upgraded and created new due diligence matrixes with tools such Pandas for optimization of the social-economic sector of the GLAC index platform.
- Contributed in the development of the tracking of mentions (through the API of twitter) along with the creation of queries tailored for each sector analyzed in the GLAC index platform.

Purdue, Study abroad and Service Learning | Dar es Salaam, Tanzania
Teacher   (05/2018)-(05/2018)

- Taught basic concepts of use of technology at Matumaini Primary School in Dar es Salaam, Tanzania, which serves nearly 200 children with disabilities.
- Created daily coursework encompassing basic computing and coding concepts with the main goal of furthering my students problem solving skills and computational thinking.
- Taught instructors the fundamental use of block-based visual programming tools such as Scratch with the goal of allowing them to expand their curriculum for students.

Bulltick | Miami, FL
Analyst   (04/2015)-(05/2015)

- Produced reports of the performance of mutual funds and delivered summaries of market openings in Spanish and English.
- Created correlation heatmaps of ETFs for the consumption of areas such as Sales & Trading.
- Tracked through bloomberg terminal the performance of ETFs of interest for the area of investment banking.

Education

Data Science Immersive, September 2020 - December 2020
General Assembly | Remote
 12-week full-time immersive educational program strengthening Data Science skills including: Python, SQL, data cleaning, data visualization, regression models, classification models, web-scraping, APIs, NLP, advanced supervised learning, unsupervised learning, time series analysis, and statistics.

Bachelor of Science - BS. Computer Science, 2020
Purdue University, West Lafayette

Certifications
Certificate of Entrepreneurship, 2020
Purdue University, West Lafayette