Daniel Gil Romero

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About Me

Experienced Data Analyst specialized in Python.

Trouble-shooter, self-learner with ability to absorb new ideas quickly, coding passionate, able to face analytics or technical problems under pressure, derives new and efficient solutions, ability to communicate findings clearly to other team members.

Looking for opportunities in data analytics requiring technical skills and in a financial sector.

Skills

- Proficiency in Python with high exposure to data analysis modules such as pandas, numpy, sklearn, scipy, matplotlib, nltk; scarping tools and web parsers such as Selenium, Scarpy, lxml.html or BeautifulSoup; database and cloud services connection modules like Boto3, aws-cli, pyodbc, psycopg2, sqlite3…As well working with Regular expressions or coding under the fundamentals of Object Oriented Programming.
- Databases: MySQL, posgreSQL, MongoDB, Redis, sqlite3 and dynamoDB.
- Moderate knowledge of web development languages and frameworks: ASP.NET, Ruby on Rails, JavaScript, CSS3, HTML5 and experience in other languages like Java, C#, and VB.
- Experienced working with Hadoop ecosystem and MapReduce (Cloudera and Hortonworks VM)
- Competent in AWS cloud services, EC2 instances, S3 bucket, cloudwatch, elastic search…
- Experienced developing advanced statistical model and techniques including linear Regression, Classification, Resampling Models, Subset Selection, Dimensionality Reduction, Tree-Based Methods, SVM, and unsupervised methods such as KNN or PCA. Also, possessing a strong knowledge of applying machine learning methods in data mining and Text Mining.

Experience

Associate Analyst at Infosys BPO
From August 2017 - present

- Developing and designing of various business specific cloud applications using AWS and other cutting edge cloud tools, such as EC2 instances, DynamoDB or PostgreSQL storage service, and elastic search techniques for rendering quick queries.
- Automation of the aforementioned technologies programmatically using boto3 and aws-cli modules in python3
- Developing fast and efficient web scarpers using tools like Selenium, Scarpy for data extraction and analysis, as well other file parsers.
- Technical and business operational knowledge in data modelling and architecture as well as data cleansing(Munging)
- Performed different machine learning and text mining techniques for sentiment analysis, text classification, "spam" or outlier's detection and KPI predictions.

Business Analyst at CACEIS Investor Services
From July 2016 - December 2017

- Enhance effectiveness of procedures and project management between departments through SharePoint solutions and assisting colleagues with technical issues within Microsoft products, including Macros, Pivot-Tables and VBA.
- SharePoint farm administrator, designer and developer (SharePoint Designer).
- Manipulating, cleansing and processing data using Excel, Access and SQL.
- Database maintenance duties such as performing SQL queries for data entry/extraction or data consistency checks and quality using internal software, Bloomberg and ISE website.
- Interacting and communicating with colleagues as required for routine and ad hoc task to achieve business goals and data specifications. Assisting with Training when it need it.
- ASP.NET web application as an UI interface to main fund database using SQL Server Integration Services to display fast and accurate BI queries.

Education

Postgraduate Diploma in Data Analytics at National College of Ireland
From 2015 to 2017
Modules: Advanced Data Mining, Data Storage and Management, Data Warehousing and Business Intelligence, Data Visualization, Programming and Statistics.

- Data Warehouse project; Using mainly python to build a S&P500 stocks database. It includes automatic web scarping, data cleansing, ETL scripts and SQL server connection; for reports and dashboards, R was used, including a R-Shiny application with interactive connection with the database.
- Predicting Defaults in Peer to Peer Lending (Lending Club and Bondora) using Neural Networks and Random Forest.

Higher Diploma in Computing Science and Cloud at National College of Ireland
From 2014 to 2015
Modules: Software Development, Databases, Web Design, Web Services and API Development; Object Oriented Software Engineering, Computer Architecture and Networking System, Practical Operating Systems and Cloud Computing in Business

- Developed a "Rock, Paper, Scissors" game using JAVA.
- AJAX web application to pull and collect data using python and SQL for storage.

Bachelor in Business at Universitat Autonoma de Barcelona, Spain
From 2008 to 2012
Modules: Accounting, Economy, Math's and financial Math's, Statistics, Microeconomic and Macroeconomic, Business Management, Computer Science of Management, Marketing - Taught in English-, Company Creation; Civil, Business and labor law.

Other Interests

My involvement in sports since I was 4 years old has equipped me with a strong work ethic and competitive spirit. I play handball in Dublin (3 leagues and 3 cups) and rock-climbing practitioner.

Graduated in business with a specific interest and some experience in capital markets, especially in equities, commodities and forex.

Catalan and Spanish native, fluent in English and learning Portuguese.

Referees Available Upon Request