

Luis-Miguel López-Santamaría

Analytics Engineer

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in luismiguells

Age: 29 years

PROFILE

Experienced data enthusiast skilled in text classification, machine learning, and data analysis, seeking opportunities to apply expertise in driving effective decision-making. With a solid background in database and operating system management, I consistently strive to deliver scalable solutions that optimize outcomes. Thriving in dynamic and fast-paced environments, I excel at adapting to change while maintaining a focus on delivering high-quality results. In addition to my technical proficiencies, I am known for my collaborative approach and ability to inspire teamwork in developing optimal solutions. Possessing excellent communication skills, I actively seek to learn from my peers and foster a culture of continuous learning. Demonstrating leadership qualities, I have a proven track record of actively leading teams to create positive and productive work environments.

WORK EXPERIENCE

May. 2022 - Current

Analytics Engineer

Stori

- Proficient in database manipulation using AWS Redshift, employing SQL queries to efficiently extract and load information across various systems, enabling quick insights and analysis.
- Skilled in designing and developing interactive dashboards using AWS Quicksight, facilitating the exploration and comprehension of vast datasets for actionable business insights.
- Experienced in automating processes using **Python** and **bash** scripts, streamlining repetitive tasks and enhancing overall efficiency.
- Diligent in maintaining and monitoring data from diverse sources, ensuring data quality and integrity through regular checks and proactive measures.
- Utilizing tools like **dbt** and **Airflow**, proficient in data transformation and creation of robust data pipelines, enabling seamless accessibility and usability of data for business users.

Jul. 2018 - Jul. 2019

Back-End Web Developer Jr.

CCSistemas Desarrollo Digital

- Design and implementation of different web-based information systems. Actively participating in decision-making for the search for better performance.
- Design and manipulation of databases using the MySQL database manager. Using SQL for query building and data extraction.
- Implementation of various modules for information systems, as well as providing support to modules already implemented using programming languages such as PHP and Javascript.

EDUCATION

Aug. 2021

M.S. in Electrical Engineering and Computer Engineering

División de Ingenierías Campus Irapuato-Salamanca | Universidad de Guanajuato

Thesis Title: "Automatic Fake News Detection in Online Media"

Advisor: Dr. Juan Carlos Gómez Carranza Co-advisor: Dr. Saskia Van Amerogen

Dec. 2018 B.S. in Computer Systems Engineering

División de Ingenierías Campus Irapuato-Salamanca | Universidad de Guanajuato

Thesis Title: "Age and Gender Identification in Pinterest Through User-Generated Images and

Text"

Advisor: Dr. Juan Carlos Gómez Carranza

PROJECTS

Nov. 2017 - Dec. 2018

Design an Implementation of Search Methods by Similarity for Users of Social Media

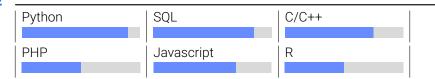
Fondo Sectorial CONACYT-INEGI, project number: 290910

- Data collection from the Pinterest website using a scraper to extract the pins, which are the form of communication between the users of this social network. The scraper collected images and text from the website.
- Extraction of different superficial features from the text such as words, emojis, hashtags (#), ats(@), etc. With the visual content, a neural network ResNet-50 was used to extract the features from the images.
- Implementation of different machine learning models such as Support Vector Machine, Logistic Regression, Random Forest, etc. These models were combined with the data collected for the prediction of demographic variables.
- Development of an API using **Flask** and in a combination of different pre-trained **machine learning** models. The user can paste text or upload it to predict different demographic variables. The same process can be done with images.

LANGUAGES

• Spanish - Native • English - C1 • Italian - Elementary

SOFTWARE



TECHNICAL SKILLS

- Proficient in a wide range of machine learning and deep learning libraries including Tensorflow, Keras, scikit-learn, NumPy, NLTK, and Matplotlib. Skilled in leveraging these libraries to develop and implement advanced machine learning models and algorithms for various applications.
- Experienced in working within the AWS environment, specifically with Redshift, QuickSight, EC2, and S3.
- Proficient in utilizing Git and GitHub for version control and collaborative software development
- Proficient in creating and managing tasks, user stories, and sprints within Jira to facilitate effective project planning and execution.

CERTIFICATIONS

Computer Science and Programming

MIT | License: 7aadf932eb1439bac4cfc7fed7ab1f

Data Science

UNAM | License: 92N22S3NVF52