Aurelio Barrios

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SUMMARY & SKILLS

Data Scientist driven to make a positive impact through data analysis and visualization. Excited to channel natural curiosity and creative problem solving towards leveraging my data science passion in order to solve difficult problems within the tech industry. Determined to continue developing technical skills, communication skills and creative problem-solving skills through hands-on experiences.

Tools: Python, SQL, Pandas, NumPy, PyTorch, TensorFlow, Tableau
Concepts: Data Processing Pipeline, Querying Data Using SQL, Relational Database Architecture

EDUCATION

Bachelor of Science, Data Science - University of California, San Diego   Sep 2017 – June 2021
- **Courses:** Data Analysis & Visualization, Machine Learning, Statistics, Database Management

EXPERIENCE

The Knowledge House, Los Angeles, CA   July 2023 – Present
Innovation Fellowship - Data Science Fellow
- Enhance skill set in programming, data cleaning, analysis, modeling, visualization and managing large data sets using Python, SQL through training under a project-based, data science curriculum with +400 hours of technical instruction and professional development

PROJECTS

[Twitch Streamer Recommender System From Scratch](#)   Sep 2023 - Present
- *Description:* Deployed an item-based recommender system using Flask and an internal MySQL database in order to recommend users new Twitch streamers based on streamers they are already interested in
- *Languages/Frameworks/Concepts:* Python, SQL, Flask, Recommender Systems, Web Scraping, API Access

[Premier League Interactive Dashboard w/ HighCharts](#)   May 2023 - Aug 2023
- *Description:* Implemented an interactive data visualization dashboard from scratch to display Premier League soccer data from 2009 to present day
- *Languages/Frameworks/Concepts:* HTML, CSS, JavaScript, Data Visualization, Dashboards

[Loan Acceptance w/ FairLearn Python Package](#)   March 2023
- *Description:* Machine learning model using ethical metrics like demographic parity difference and equalized odds difference to ensure loan approval rates were ethical across sensitive attributes like race and sex
- *Languages/Frameworks/Concepts:* Python, FairLearn, Ethical ML Model Building