Marlon Durand

| P: 818-478-0657 | Durand_marlon@yahoo.com | linkedin.com/in/marlon-durand-a7297a251/

PROFESSIONAL SUMMARY

Computer Science and Data Science major. Experienced in computer programming and data science with a focus on machine learning, data visualization, dashboard building, data scrubbing, data analysis, and query building. Knowledge in hardware and software troubleshooting. An avid learner, problem solver, leader, and verbal communicator with experience in team building and critical thinking.

EDUCATION

LYON COLLEGE   *May, 2024*

Bachelor of Arts, Computer Science and Data science

PROJECTS

Image Recognition in Cancer Research

Description: Developed a Python-based image recognition system for cancer research, utilizing deep learning techniques to analyze histopathological images. The project involved training convolutional neural networks (CNNs) on labeled datasets to accurately identify and classify cancerous tissues. Implemented data preprocessing, model optimization, and validation methods to enhance accuracy and efficiency. The system demonstrated significant potential in aiding early diagnosis and treatment planning by automating the detection of malignant cells. Tools used include TensorFlow, Keras, and OpenCV.

Twitter Impressions Prediction

Description: Developed a predictive model using R to estimate the number of impressions a specific Twitter user would receive on their tweets. The project involved collecting and analyzing large datasets of Twitter activity, including tweet content, user engagement metrics, and follower demographics. Applied machine learning algorithms, such as linear regression and random forests, to build the predictive model. The model was then fine-tuned through feature engineering and cross-validation, achieving high accuracy in forecasting tweet impressions. Tools used include R, Twitter API, and various R packages for data analysis and visualization.

Interactive Dashboards with Tableau and SQL

Description: Developed a suite of interactive dashboards using Tableau and SQL to analyze a dataset comprising over 100 million medical insurance claims and terms. This project involved designing dynamic queries and visualizations to identify and analyze underperformance areas within the company. The dashboards provided actionable insights, facilitating data-driven decision-making and strategic improvements across various departments. Through these dashboards, I facilitated in-depth exploratory research, uncovering insights that drove strategic decisions and operational improvements. The initiative significantly enhanced the company's ability to track performance metrics and optimize operations.

TECHNICAL SKILLS

Programming Languages: C| C++| Java| Swift| R| SQL| Bash | Basic | Python

Operating Systems: Windows XP/Vista/7/8/10 | Mac OS | Linxus

EXPERIENCE

Lyon College – Batesville, AR

Information Technology Services   *Aug 2021 – May 2024*

• Lead AV/Computer (projector, projector screen, tv, microphones, fenders) setup for +1,000 students and faculty

• Provide exceptional customer service to faculty, staff, and students through help desk and general troubleshooting support.

• Manage IT ticketing systems to track inbound customer support requests.

• Oversee PXE computers/laptops and pre-deployment and track inventory management of all devices at Lyon College.

Gainwell Technologies – Conway, AR

COB Business analyst Intern   *May 2023 – Aug 2023*

• Performed data exploration and analysis to build interactive dashboards using Tableau.

• Serve as a scrum master and lead a team in a cross functional project.

• Sql Querying and Database management. (Toad and DB2)

• Python Development using packages like numpy, dplyr, caret, etc.

COURSE WORK

Completed computer science courses: Discrete Math, Calculus 1, Introduction to Programming in C++, Data Structures with C++, Introduction to Digital Logic, Algorithms, Programming Languages, Operating Systems, Math Foundations for computer science, Numerical Analysis

Completed data science courses: Data Science Tools and Methods, Database Theories and applications, Data visualization, Advanced Data Science, Machine Learning, Calculus 2, Independent Study

LEADERSHIP

D.R.E.A.M Scholars

Member   *Aug 2020 - May 2024*

• Organization dedicated to students of diverse cultural backgrounds.

• Members awarded scholarships based on GPA and academic achievements.

• Lead mathematics and computer science study group to increase student success.