

VICTOR GERARDO RIVERA

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WORK EXPERIENCE

Data Scientist, Data Analytics | CriptBase LLC

Jan 2021 - present

- Responsible for applying advanced analytical and statistical methods to interpret and analyze complex data sets.
- Using Python and SQL, I develop and implement predictive models to provide insights for strategic decision-making.

General Manager | HealthWeed LLC

Jan 2017 - Dec 2021

- Managed executive calendars by coordinating strategic meetings, appointments, and travel arrangements to optimize resource utilization.
- Supervised supply chain operations, maintained inventory control, and processed orders for supplies and products, achieving enhanced cost efficiencies.
- Oversaw daily business operations by integrating administrative, logistical, and customer service functions to ensure a seamless workflow.
- Developed and monitored key performance indicators (KPIs) to drive operational improvements and ensure the delivery of high-quality service.

Product Builder – Boston Scientific

Oct 2014 - Dic 2017

- Assembled and tested medical device prototypes, ensuring adherence to design specifications and regulatory standards.
- Collaborated with multidisciplinary teams (engineering, quality, and production) to refine product development and ensure efficient assembly processes.
- Implemented process improvements and resolved technical issues to optimize product performance and reliability.
- Documented assembly procedures and quality control protocols to maintain compliance with industry standards.
- Supported the transition from prototype development to large-scale manufacturing, contributing to a seamless production scale-up.

EDUCATION

Iron Hack AI Engineering Bootcamp

Oct 2024 - Jan 2025

- Developed proficiency in Python and key data analysis libraries (NumPy, Pandas, Matplotlib).
- Gained expertise in data preprocessing, exploratory data analysis, and model evaluation.
- Applied Machine Learning techniques (supervised/unsupervised) for predictive modeling.
- Built and fine-tuned Deep Learning models (CNNs, RNNs) using TensorFlow/PyTorch.
- Implemented Natural Language Processing solutions for text analysis and chatbot development.
- Designed and deployed Computer Vision applications for image processing and object detection.
- Learned data engineering practices and MLOps for scalable, production-level deployments.
- Completed hands-on projects using agile methodologies and upheld ethical standards in AI.

Terminal 34 Data Science Bootcamp

Jan 2024 - Jun 2025

- Developed robust proficiency in Python and essential data analysis libraries (NumPy, Pandas, Matplotlib).
- Mastered techniques in data preprocessing, exploratory analysis, and model evaluation to derive actionable insights.
- Applied supervised and unsupervised machine learning methods for effective predictive modeling.
- Built and fine-tuned deep learning models using TensorFlow and PyTorch, including CNNs and RNNs.
- Implemented Natural Language Processing solutions for text analysis and chatbot development.
- Designed and deployed computer vision applications for image processing and object detection.

Business Administration - Associate Degree

Jan 2017 - Sept 2018

- Comprehensive education in Business Administration, covering financial, operational, and leadership fundamentals applied to organizational management.
- Specialized in Human Resources, developing skills in recruitment, training, and performance evaluation to optimize talent management.

Computer Engineering - 32 Credits- Interamerican University

Ago 2010 - Nov 2012

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TECHNICAL SKILLS

- Python (TensorFlow, PyTorch, Keras, Scikit-learn, XGBoost, LightGBM)
- Docker, Kubernetes
- SQL, NoSQL, Big Data (Hadoop, Spark)
- Data Structures and Algorithm
- Matplotlib, Seaborn, Plotly, Power BI, Tableau.
- Transformers Hugging Face
- CI/CD Pipeline

PROJECTS

Alaska Lightning Strikes

May, 2024

- Technologies: Streamlit, GeoPandas, Contextily, Matplotlib
- Objective: Developed an interactive web application to visualize lightning strike data across Alaska, aiming to support government emergency systems in identifying ground strike locations and proactively mitigating wildfire risks.

PuertoRicoExploring – Interactive GeoData App

January, 2025

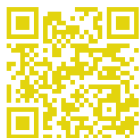
- Technologies: Streamlit, GeoPandas, Folium, Streamlit-Folium, OpenAI API, BeautifulSoup, Pandas, NumPy
- Integrated AI capabilities via OpenAI API to generate contextual insights, while using BeautifulSoup and Requests for web scraping and Pandas/NumPy for data processing.
- Objective: Enhance geographic data interpretation and decision-making by combining visualization, real-time data extraction, and natural language insights.

Amazon Sentiment Review – AI-Powered Review Classifier

December, 2024

- Technologies: Plotly, NLTK, Pandas, NumPy, Transformers, PyTorch, Scikit-learn
- Built a sentiment analysis app to classify Amazon product reviews using NLP and deep learning.
- Visualized insights with Plotly and applied transformer models for accurate classification.
- Objective: Help businesses better understand customer feedback to improve products and services.

Huggingface



Github



LinkedIn

