Ricardo Rodriguez

Data Scientist

Contact

LinkedIn

linkedin.com/in/ricardo-a-rodriguez-f

Publications

ricardo-rodriguez.medium.com

GitHub

github.com/reesh19

E-mail

rodriguezr235@gmail.com

Technical Skillset

Machine Learning

Darts, Keras, OpenCV, PyTorch, Scikit-learn, SpaCy, TensorFlow, XGBoost

General

BeautifulSoup, Git, Jupyter Notebooks, Matplotlib, NLTK, Numpy, Pandas, Python, Regex, Unix, VS Code

Backend

AWS, Docker, Flask, Heroku, NoSQL, PostgrSQL, SQLAlchemy, SQLite

Frontend

Bootstrap, CSS, HTML

Languages

English

Spanish

Education

06/2021 — **Data Science & Machine Learning** - *Bloom Institute of Technology*
Curriculum focused on data science, machine learning, and software engineering

06/2013 — **Engineering Physics, B.S.** - *University of Illinois at Urbana-Champaign*
Traditional Physics curriculum with additional focus on Biology & Chemistry

Software

05/2021 — **Data Scientist -** *Human Rights First, Asylum*, *GitHub*
- Created automated Judicial data pipeline; built scraper using Python, data cleaning with Pandas, and storage with SQLite
- Developed NLP-ML pipeline; used SpaCy to extract unstructured data from scanned documents, and Sklearn for categorical classification, ex.: determining whether or not a judge found the applicant to be credible

03/2021 — **Data Scientist & Full Stack -** *Kickstarter Success*, *GitHub*
- Predicted hypothetical Kickstarter projects' outcome, deployed on Heroku
- Built using Python and Flask, front end with CSS, HTML, and Bootstrap
- Engineered ML pipeline; vectorized unstructured data with SpaCy, merged with numerical & categorical data and fed into XGBoost's RF-CV
- Developed encrypted authentication system for secure-login functionality
- Constructed SQLite database for storage and to feed ML pipeline for retraining

Experience

09/2017 - present — **Data Scientist, Co-founder, CTO** - *INI-P Solutions, LLC*
- Recommendation system for cryptocurrency investment
- Created ML pipeline; data scraper with Python, BeautifulSoup, NLTK, and SpaCy, curated data fed into custom ML model built on top of Scikit-learn
- Optimized model performance to achieve 2-3% daily profit margins
- Directed initial funding securing over 10 Bitcoin
- Managed information flow between devs, stakeholders, and costumers

10/2013 - 08/2017 — **STEM Educational Specialist** - *Freudigman & Billings, LLC*
- Created curriculums specifically tailored to every student
- Clients/students routinely saw test scores climb by as much as 70%
- Maintained an unprecedented customer retention rate of over 95%
- Trained, evaluated, and mentored new employees

06/2006 - 08/2012 — **Manager, Team Member** - *Odyssey Country Club*
- Communicated with customers to create project roadmaps
- Managed day-to-day operations to follow budget constraints and ensure customer satisfaction