Erick Díaz

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Education

Master's Degree in Mathematical Engineering and Computing | Nov. 2020 - 2022
UNIR - Universidad Internacional de La Rioja

Big Data and Artificial Intelligence Specialization | 2020-2021
UNIR - Universidad Internacional de La Rioja

Bioinformatics Specialization | 2019
Universidad San Carlos de Guatemala

Computer Science Engineer | 2013
Universidad San Carlos de Guatemala

Skills

Scripting languages: Python(7 years), R, PySpark

ML Frameworks : Tensorflow, Pythorch

Big Data Ecosystems: Apache Spark, Hadoop, MapReduce, HDFS, HBase, Zookeeper, Hive,

Data Base: SQL(6 years), Data Warehouse(2 years)

Languages: English, Spanish

Interests

Machine Learning & Deep Learning Bioinformatics.
Federated Learning.

Work Experience

Jul 2022 – Today Sr. Data Scientist - Vana | Remote _2yrs_
- Define new projects for the DS team based on company needs
- Create and maintain risk data science services
- Create models for micro-loan acceptance

Feb 2023 – Today Bioinformatics software development basics Lecturer - Universidad San Carlos, Escuela de Postgrado Ingenieria _1yr 11 mos_

Mar 2021 – Jul 2022 Sr. Data Eng./Data Scientist - Zubale | Remote _1yrs 5 mos_
- Develop a forecasting model for in-store demand (100+ Stores)
- Asses and interview new members of the DS team
- Collaborate in the development of a library in python for ETL's

Jan 2020 – Mar 2021 Data Scientist - HealthCare.inc | Guatemala _1yr_
- Working on ETL develpment using python and SQL
- Creation of a machine learning model for cost and revenue forecast using Pythorch

Apr 2018 – Dec 2019 Data Scientist 1 - Xoom | Guatemala _1 yr 9 mos_
- Data wrangling and data pipelines for machine learning models using PySpark and Tensorflow

Feb 2016 – Mar 2018 Big Data Engineer - Xoom | Guatemala _2 yrs 2 mos_
- Data pipelines in PySpark, Hadoop

Research and Projects

- Detect and classify _P. Vivax_ malaria parasites in blood films, the goal is to expedite the malaria parasite detection. GitHub Repo, ICLR 2020 - Workshop Conference Poster

Certifications

Date	Certification	Provider
2020	Mathematics for Machine Learning Specialization - Linear Algebra - Multivariate Calculus - PCA	Coursera
Aug 2019	Secure & Private AI Challenge Scholarship	Udacity
Apr 2019	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	Coursera
Mar 2018	Machine Learning	Coursera
Dic 2017	Neural Networks and Deep Learning License WEZQ3JAHWQAT	Coursera, deeplearning.ai
Mar 2017 – Aug 2017	Deep Learning Nanodegree Foundation	
Apr 2017	Big Data and Hadoop Developer Online Course License 20270414435	Grey Campus
Sept 2016	Hadoop Platform and Application Framework License SZLTHSC67Q5D	Coursera
July 2016	Introduction to Apache Spark	Edx