MIGUEL A. CHEVRES LOPEZ

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PROFESSIONAL SUMMARY

Forward-thinking Software Engineer with background working productively in dynamic environments, offering 4+ years of expertise in Data Science, Software Engineering, and Azure experience. Fluent in Python and Scala programming languages used to develop software within healthcare, education, and other government entities. Proud team player focused on achieving project objectives with speed and accuracy. Seasoned professional with background in full software development lifecycle. Quickly learns and masters new technologies while working in both team and self-directed settings.

WORK HISTORY

Nagnoi LLC - *Software Engineer II*
San Juan, Puerto Rico • 03/2021 - Current

- Led software development initiative as subject matter expert and primary point-of-contact for project management staff.
- Orchestrated efficient large-scale software deployments for re-opening of schools on Academic Year 2021-2022.
- Created stacked algorithm in order to accommodate 138,000 students in Puerto Rico across 415 schools , given that more than 60% of schools were not ready for re-opening. This algorithm was utilized by The Department of Education during process of re introducing students to campus.
- Created Fuzzy Lookup algorithm with 98% accuracy utilizing PySpark, TensorFlow, and Sklearn in DataBricks. This algorithm was utilized in order to create roster of vaccinated Education Employees and Students that was then given to The Department of Education.
- Used Classification and unsupervised learning algorithms to analyze and sort students based on their end of year standardized tests in order to develop learning paths for teachers to utilize for their academic growth following years.
- All of the projects above were developed through data pipelines in Azure Cloud.

SKILLS

- Python/ Scala / PySpark / SQL
- DataBricks (Hadoop, Spark, Azure Cloud)
- Cloud services
- Solutions deployment
- Agile
- Statistical analysis
- Machine learning (NLP/Computer Vision/Unsupervised & Supervised Learning Algorithms)
- Intelligence gathering
- Software proficiency
- Logistical Planning
- Diagnostic Analysis

EDUCATION

Northeastern University
Boston, MA • 12/2021

Master of Science: Enterprise Intelligence: AI in Healthcare
- Specialized in Artificial Intelligence for HealthCare and Pharmaceutical Data
- GPA: 3.8

Florida International University
Miami, FL • 12/2018

Bachelor of Science: Biomedical Engineering
- Dean's List all semesters from 2016-2018
- GPA: 3.3

CERTIFICATIONS

- Artificial Intelligence: Implications for Business Strategy (MIT Sloan Executive Education)
- Neural Networks and Deep Learning (deeplearning.ai)
- DataBricks Developer Essentials

Johnson & Johnson - *Data Scientist*

San Angelo, Texas, US • 10/2019 - 12/2020

- Project Leader for Tier 1 Real-Time Performance Monitoring: Exported real-time data from manufacturing equipment (Rockwell, Texas-Instrument, and Siemens PLC utilizing Historian and Prophecy) in order to create visualizations for machine health and performance, perform analysis, and build ML models utilizing Python for manufacturing failure predictions. After software portion was completed, monitors were placed on each equipment in production floor in order to display machine health and performance. Created Change Assessment, CSV documentation, project plan, and protocol for new PLC software codes in order to access more machine real-time data. Remotely trained operators on how to utilize and benefit from new visualization displays.
- Team Leader for Visual Factory Data and Analysis Team: Meet with department heads, managers, supervisors, and facilitators in order to define the design, data source, and data structure when creating new metrics or reports in Qlik Sense. Retrieved the data utilizing either SQL, OracleSQL, or python. Developed and oversaw over 55 Metrics and Reports (KPI & IPT reports included) on Qlik Sense with the assistance of my development team. Implemented new workflow (Scrum methodology) and communication method for remote team members, which lead to an increase in metric creation/maintenance productivity of 178% when compared to prior YTD.

SunMed International LLC - *Lead Data Scientist*

Miami, Florida, US • 08/2018 - 09/2019

- Leader of exploratory project for Medical bill Fraud detection. The team successfully built DL model utilizing TensorFlow and Keras that predicts fraud with 82% accuracy. Introduced daily check-in / check-out meetings with team where we explored our goals for the day and any support needed to complete those goals. Learned a vast amount of project management and how to lead a team with passion and empathy.
- Developed quarterly roadmaps based on impact, effort and test coordinations, working with stakeholders to achieve short-term and long-term goals.

LANGUAGES

Spanish, English: Native language

English: C2

Proficient

Spanish: C2

Proficient