Adelard Banza, MSPA, MCSE

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Diligent, detail-oriented professional with a comprehensive background encompassing key areas such as data science, machine learning, business intelligence (BI), data mining, and statistical analysis. Analytical expertise in designing sophisticated analytics solutions and translating complex data findings into actionable business intelligence.

Machine Learning Framework: Intel Distribution of OpenVINO – TensorFlow Keras – Scikit-Learn – PyTorch – OpenCV – Visualization – Time Series – NLP – Computer Vision

Elasticsearch – Tableau – NLP – PostgreSQL – MySQL – SQL Server

Cloud: AWS – GCP – Azure – Databricks – PowerBI – Tableau – Palantir Foundry – Snowflake

Tools: SQL - Python – C++ - OpenAI GPT Models

Professional Experience

Pacific Gas and Electric, PG&E• Senior Data Scientist • 12/2021 – Present
- Building data pipelines solutions using Python, PySpark and SQL in Palantir Foundry.
- Developing quantitative methodologies, calculating risk measures, and performing analysis covering IT Asset Failures.
- Supporting the migration of risk core functionality to Palantir Foundry platform to streamline and speed up model execution.
- Providing guidance on software engineering best practice for the Enterprise Risk Analytics organization.

Cogitto, Pleasanton • Founder/Principal Lead Machine Learning and Solution architect • 09/2019 – 12/2021
- Led ML Production pipelines efforts using Azure Cognitive Services and OpenAi GPT models.
- Worked with cross-functional partners to improve models' accuracy.
- Leading an agile team of 4 software engineers and building NLP AI applications, other tools, dashboards for managing our community of users. As an Azure Solution Architect, I am responsible of architecting and building the application on Azure, based on best practices.

WORLDQUANT, Connecticut • Senior Quantitative Research Analyst (contract) • 05/2019 – 12/2019
- Leverage AI machine learning and statistical analysis to design systematic investment strategies across multiple asset classes and global markets.

KAISER PERMANENTE, GSAA • Senior IT Consultant/Data Analytics • 04/2017 – 11/2018
- Applied machine learning and statistical analysis to evaluate worker safety data, which entailed predicting injury responses and accident modeling; diving deep into extensive datasets; and providing statistical insights.
- Acted as a subject matter expert by delivering quality analytics support to the executive team to drive key decisions in corporate strategy.
- Design departments reports, visualizations and dashboards that highlight key trends in the Facility services department performance; Understand critical business performance drivers.
- Analyzes financial performance findings and provides insights into trends and identify contributing factors that affect variances.
- Document processes and actively participate in the Facility services department's efforts to improve department knowledge base.
- Integrating departments data from multiple sources, i.e., SQL Server, Teradata for reporting.
- Work with business stakeholders to understand, gather, and document business requirements for reporting and data projects.
- Provide Tableau's tutorials to Facility services leadership.

THE DATA INCUBATOR, D.C. • Data Scientist Fellow • 01/2016 – 03/2016

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- Applied machine learning and statistical analysis to create different machine learning models prototypes for a variety of real-world scenarios.

Senior Data Scientist (independent consultant) • 06/2014 – 09/2019

- Engaged with clients to provide direction on business analytics and data mining matters using machine learning, multivariate analysis, forecasting, and clustering regression/classification.
- Using Tableau constructed executive dashboards to monitor key organizational' s members' metrics and attain cost reductions.

- Experience with dashboard and visualization using Tableau, Python, SQL design and creation for business partners aimed at improving user experience, conversion, and understanding customer behavior.
- Using SQL, assembled, cleaned, and analyzed extensive data, while interpreting findings and identifying pertinent trends.
- Created data pipelines that extracts data from S3, stages them in Redshift, and transforms data into a set of dimensional tables for their analytics team to continue finding insights in data
- **KAISER PERMANENTE, Marin-Sonoma • Area IT Project Lead • 11/2010 to 04/2015**
- Led the implementation of EPIC EMR for medical centers and medical offices. Facilitate adoption of new technologies as a service area project leader. Evaluate and lead critical technology initiatives and act as Subject Matter Expert (SME) regarding remote access solutions, cloud solutions, and data recovery.
- Led the EPIC EHR project for Medical Centers; this entailed facilitating the adoption of new technologies, assessing technology initiatives, and providing guidance on patient experience solutions and data protection.
- Executed a Compliance Project focused on migrating legacy systems to an enhanced program.

Education

Master of Science: Predictive Analytics | Northwestern University • Evanston, IL – 06/2014

Master of Science: Computer Science and Engineering | Syracuse University • Syracuse, NY – 06/2019

Bachelor of Science: Management Information Systems | University of Phoenix • San Francisco, CA – 11/2011

Professional Development

Edge AI Certification | Intel – 09/2022

Machine Learning Engineering for Production (MLOps) Specialization – Coursera – 10/2021

Data Science - Data to Insights Certificate | Massachusetts Institute of Technology (MIT) • Cambridge, MA – 11/2016

PhD Coursework in Advanced Statistical Techniques | Hamburg University of Technology • Hamburg, Germany – 10/2014

Data Scientist Fellow | Data Incubator 01/2016 – 03/2016

Deep Learning Nanodegree | Udacity – 10/2018

Flawless Consulting | Designed Learning, Inc. – 09/2017