

ABDIAS BALDIVIEZO

Software/ML/AI Engineer

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Location: Salt Lake City, Utah



EXPERIENCE

Data Science (AI) Consultant

Bradford & Jensen & Dominguez

- 📅 09/2024 - Present 📍 Salt Lake City, United States
- AI Business Integrations and analytics (LangChain, Gradio, Agentic RAG).
 - Website design and Development (Gatsby, React).

Graduate Teaching Assistant

University of Utah

- 📅 09/2022 - 06/2024 📍 Salt Lake City, United States
- Wrote Python for projects using: Distributed Computing, HPC services, NoSQL (Column and document oriented), XAI, NLP-NLU-NLG, DL:GANS-RNNs-CNNs, RLHF, Data Mining, MLOps.
 - Taught Python weekly in lab classes of 30 students.

Software Engineer

InfoRight - Information Technology and Services

- 📅 01/2021 - 09/2022 📍 Sandy, United States
- Full SDLC for Mining equipment management with React, Node, AzureSQL, AWS(EC2, S3), REST. In 6 Months with multiple iterations.
 - Implemented integrations for MS-PowerApps (Geolocation, Azure Datalake, Code Compilation) for App used by 14k employee Company.
 - Performed Data QA in start-up environment with Great Expectations. and Airflow for Pipelines to present MVP to stakeholders.
 - Scaled Web Scraping Product (Selenium, BeautifulSoup, Node) to support tens of thousands of records.

Software Developer

BYU-Idaho - Business Solutions

- 📅 01/2020 - 04/2021 📍 Rexburg, United States
- Developed Java & JavaScript interface for TeamDynamix Integrations processing more than 500K records.
 - Developed time series prediction models (Prophet, ARIMA) to optimize scheduling and management for university HR, saving 10 man-hrs a week
 - Proposed and coded Chat-bot (Flask, NLTK, Knowledge Bases, Info. Extraction) first initiative and R&D.

RECENT PROJECTS

- One/few/zero-shot prompt study of multi-modal IDEFICS vs SOTA models in image classification.
- Study of Hyena Hierarchy Filters to reduce quadratic operations (attention) in Transformer models.
- Multilingual Named Entity Recognition BIO-tagger trained with PAN-X data (4 languages).

EDUCATION

MS Computing - Artificial Intelligence

University of Utah

📅 08/2022 - 06/2024 📍 Salt Lake City, United States

BS Software Engineering

Brigham Young University Idaho

📅 01/2020 - 01/2021 📍 Rexburg, United States

AS Software Development

Ensign College

📅 01/2018 - 12/2019 📍 Salt Lake City, United States

SUMMARY

Results-driven SWE specialized in AI/ML with a combined experience of 4 years. Possesses the ability to quickly Adapt to any team, person, technology, or project in order to make great things happen!

LANGUAGES

English

Native



Portuguese

Native



Spanish

Native



SKILLS

Cloud & Infrastructure

Airflow, AWS(EC2/S3/Lambda/Sagemaker), Azure, Bash, Databricks, Docker, Git, Github, Heroku, Linux.

Data Tools

Azure, Chroma, ClickHouse, GreatExpectations, Map Reduce, MongoDB, MySQL, MSSQL, Postgres, Spark.

ML

Bayesian ML, Clustering, Computer Vision, Generative AI, Graph-NNs K- means, LLMs, NLP, PCA, Q-Learning, Random- Forests, RAG, Regressions, RLHF, XAI, XGBoost.

ML Tools

Captum, CUDA, Diffusers, Gradio, HuggingFace, Langchain, LlamaIndex, MLflow, NLTK, Numpy, Pandas, Pytorch, SpaCy, Scikit-Learn, Tensorflow, TensorRT, VertexAI.

Programming

C++, C#, Go, Java, JavaScript, Python, R.

Visualization

D3, Ggplot2, Matplotlib, Plotly, Seaborn.

Web

BeautifulSoup, Bootstrap, FastAPI, Flask, Gatsby, Node, Playwright, React, Selenium, Shiny, Spring, Streamlit.

FIND ME ONLINE

Portfolio

<https://abadias618.github.io>