Alex Torres

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Technical Skills
- Full Stack Python Developer: Python, Flask, PostgreSQL, Pytest, Web Scraping, Pandas, Numpy, RegEx, JavaScript HTML/CSS, Bootstrap, VBA, API's, GitHub, Pytorch, Tableau, Bilingual(spanish).
- DevOps and Data Pipelines: Linux, Docker, AWS EC2, RDS, S3, Redshift, Airflow, DBT, Snowflake, SQL, R, Access

EDUCATION

University of Washington	**Remote**
Certificate in Data Science	June 2023 (expected)
Jigsaw Labs	**Remote**
Data Engineering Career Course	June 2022 - Dec. 2022
Merit America	**Remote**
Data Analyst - Google Data Analytics Certificate	May 2022
Generation USA	**Remote**
Junior Web Developer - W3Schools Certified JavaScript Developer	April 2022
Universidad Externado de Colombia	**Bogotá, Colombia**
97% credits towards MBA	Dec. 2012
Universidad de San Gil	**Yopal, Colombia**
Systems Engineering	Sept. 2008

EXPERIENCE

Data Engineer Intern • *NYC School Bus Umbrella Services, New York, NY*   **10/2022 - Present**
- Developed Flask API that when a bus is unavailable, shows alternatives based on capacity, location, and other criteria.
- Designed ETL pipeline to ingest data from both Google Sheets and external fleet management APIs to load into AWS RDS database and propose alternative buses. Built pipeline using adapter pattern in Python. Performed data modeling according to OLTP design principles.

Data Engineer Fellow • *Jigsaw Labs, remote*   **6/2022 - 12/2022**
- Part of the six-month 400+ hour project-based course studying both backend and data engineering.
- *Backend:* Learned Python, SQL and Flask, and implemented design patterns like MVC, the adapter pattern, and ORMs.
- *Data Engineering:* Implemented ELT pattern (using Fivetran, Snowflake, and DBT), and ETL pattern using airflow and redshift, and S3. Deployed Flask applications using Docker, AWS EC2, and AWS RDS services.

Data Scientist Intern • *Duke.AI, Dallas, TX*   **5/2022 - 1/2023**
- Engineering intern for the startup extracts that data from a freight trucker's shipping document for automated invoicing.
- Wrote roughly 15,000 lines of code to extract data points from 30 different document forms into JSON using Python and Regex. The extracted data includes services provided among other information to feed a Machine Learning model.
- Selected to review the accuracy, readability and performance code written by the rest of the team before deployment.
- Wrote code that evaluates the percentage of data captured by other developer's code, and automatically generates a Google Sheet report showing overall capture, as well as percentage capture per field.

Frontend/WordPress Developer - Freelancer • *Volar, Seattle, WA*   **01/2021 - 04/2022**
- Freelance web developer building various websites in HTML, CSS, JavaScript, Shopify, and WordPress. Websites include those for a local church, tourist agency and virtual pet store (e-commerce).

Administrative and Logistics Superintendent • *Perenco Oil Company, Yopal, Colombia*   **05/2004 - 04/2015**
- Headed the administrative and logistics department which supported the operation of the company by providing light and heavy transport, air transport, hiring temporary staff, catering, civil works, surveillance, general services.
- Built analyses and reports using analytical tools, working on ways to streamline deployment of resources leading to a cost reduction of 20%.
- Spearheaded effort to track entire fleet of vehicles and other logistics resources in an analytics database to make logistics data available throughout the company. I also developed the company's equipment maintenance database with Web App.