

Alex Socarras

Data Engineer



📍 Washington, D.C.

✉️ apsocarras@gmail.com

📞 (571) 574-2411

🌐 Alex Socarras

🔗 [apsocarras](#)

🌐 <https://alexsocarras.com>

ETL Pipelines

Python (Pandas, PySpark)

Apache Airflow

Data Build Tool (DBT)

REST APIs Web-Scraping

CDC/Real-Time Data

Cloud Data Services

Google Cloud Platform

Cloud Functions

Cloud Scheduler

Cloud Composer

Amazon Web Services S3

EC2 Lambda

EventBridge

Databases

SQL MySQL BigQuery

DynamoDB

Data Modeling

Data Warehouses

Other Skills

Git Bash Linux R

HTML/CSS JS

Time-Management

Pair-Programming

Test-Driven Development

Dashboards

Data Analysis

Summary

Data Engineering Intern at Pandata LLC. Recent graduate of the Data Engineering Track at Epicodus, a full-time software development bootcamp. Professional experience in data analysis and research in public health.

Experience

Data Engineer, Intern – Pandata LLC

March 2023 - Current

- Deploy multi-modal ML pipeline in AWS production environment.
- Deploy image labeling app for filtering sensitive client data.
- Present on data engineering SOPs and commonly-used industry tools.

Research Assistant & Private Tutor – Self-Employed

May 2021 - October 2022

- Provided private tutoring in mathematics and standardized testing.
- Performed while contributing to research projects in public health as a data analyst and completing mathematics prerequisites for Ph.D. programs in biostatistics.
- 4.0 average in coursework ranging from Calc I-III through Abstract Algebra and proof-based Linear Algebra.

Data Analyst & Research Coordinator – SAMS Foundation

May 2020 - May 2021

- Act as data management, analysis, and visualization lead using R for three long-term research projects.
- Create mapping program using R's Shiny package to visualize attacks on healthcare facilities in northwest Syria.
- Update and maintain Microsoft Power BI dashboards interfacing with MySQL database.
- Liaison with external research partners and academic institutions, providing logistical support and securing data transfers with encryption best practices.

Advocacy & Outreach Coordinator – SAMS Foundation

November 2019 - May 2020

- Translate written and audio materials from colloquial and formal Arabic into fluent English.
- Provide research and editing support for reports, memos, and social media.
- Interface with other NGOs in regular working-group meetings, policy forums, and situation debriefs.

Projects

alaska-etl · <https://github.com/apsocarras/alaska-etl>

ETL web-scraping pipeline to compare NWS forecasts for Alaska against USCRN weather data.

Python Airflow SQL GCP (BigQuery, Cloud Functions, Cloud Scheduler, Looker Studio)

city-crime · <https://github.com/apsocarras/city-crime>

DBT pipeline using city crime data sourced from Kaggle datasets.

Python SQL DBT GCP (BigQuery, Looker Studio)

Protracted armed conflict and maternal health · *British Medical Journal (BMJ)*

A scoping review of literature and a retrospective analysis of primary data from northwest Syria.

R ggplot2 Data Analysis Data Visualization Data Communication

Education

Epicodus/Data Stack Academy

Full-time Bootcamp – Data Engineering

October 2022 - March 2023

University of Virginia

Echols Scholar Program – Arabic and Philosophy (BA) – 4.0

August 2015 - May 2019