

Michael Pérez

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A nomadic maker interested in developing elegant yet pragmatic data-driven digital experiences for exploration, discovery, and profit.

Experience

ChatID/Welcome Data Engineer

May 2015 – December 2016

- ↳ Refactored a monolithic analytics platform with a focus on modularity, maintainability, and extensibility using Python, SQLAlchemy, numpy, and toolz.
- ↳ Collaborated with data scientists on reconsidering domain models and metrics in order to solidify analytics platform.
- ↳ Helped architect a stream based data pipeline for the implementation of a new chat moderation/tagging feature with AWS Kinesis, Lambda, SNS, and SQS.
- ↳ Implemented and deployed a streaming ETL pipeline and reporting layer for chat transcripts to enable moderation team to easily view transcripts and tag them with more granularity.
- ↳ Wrote and released a batch moderation tag ingestion process and reporting layer for ease of qualitative analysis of chat content for client success managers and client scorecards.
- ↳ Collectively established new standards of AWS provisioning with Terraform and Ansible work for SQS consumer process.
- ↳ Dockerized streaming ETL processes for conversion data using MySQL.
- ↳ Wrote a pySpark utility library for adhoc analysis of AWS S3 logs in iPython notebooks.
- ↳ Started weekly, developer-led tech talks covering topics from using NLP for conversion leads to approximation algorithms for aggregate metrics.
- ↳ Led development of a scraper with lxml and Selenium to ensure deployment of proprietary script tag on a major retailer website.
- ↳ Wrote a Spark & S3 file manipulation library in Clojure to support ETL processes for a Data Warehouse in Redshift.

Tools of the Trade

- ✂ Python
- ✂ SQLAlchemy
- ✂ Terraform
- ✂ (py)Spark
- ✂ Ansible
- ✂ SQL
- ✂ PostgreSQL
- ✂ Flask
- ✂ Docker
- ✂ Javascript
- ✂ Vue.js
- ✂ AWS Services
- ✂ NLP
- ✂ Numpy
- ✂ Pandas

Education

Macaulay Honors College at Brooklyn College

2011 – 2015 | Magna Cum Laude | GPA: 3.8

Computational Linguistics and Intelligent Systems

Recognition:

- ✓ Kenan Scholar 2014
- ✓ Congressional Hispanic Leadership Fellow 2013
- ✓ Goldberg/Revson Scholar 2011
- ✓ Phi Beta Kappa 2015
- ✓ Hunter College Linguistics Conference Speaker 2015

Teaching House International – NY

Cambridge Certificate in Teaching English To Speakers of Other Languages (CELTA) 2014

Coursera

University of Washington – Introduction to Data Science 2014
Stanford University – Machine Learning 2015