




# CARLA PEREZ

## BIG DATA ENGINEER

### CONTACT

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San Francisco, CA 

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### CAREER OBJECTIVE

Data engineer seeking to leverage 5+ years of experience in building data pipelines to contribute to the Acme Corp mission of making payments easy and accessible for small businesses across the world.

### EDUCATION

B.S.

Computer Science

UCLA

September 2012 - April 2016

Los Angeles, CA

### SKILLS

AWS (Athena, Lambda, S3)

Spark, Kafka, Airflow

SQL (Postgres, Redshift, MySQL), NoSQL (MongoDB)

ETLs

Python

### WORK EXPERIENCE

#### Data Engineer

Duolingo

January 2018 - current / San Francisco, CA

- Constructed a data pipeline to process semi-structured data by incorporating 100 million raw records from 14 data sources
- Oversaw the migration from Oracle to Redshift, saving \$750,000 in 2019 with a performance increase of 14%
- Designed the data pipeline architecture for a new product that quickly scaled from 0 to 60,000 daily users
- Integrated data from multiple third party APIs that provided data around local language preferences, leading to customized landing pages that improved paid conversion rate by 6%
- Led a team of 1 full-time employee and 3 contractors, and frequently collaborated with project managers and analysts

#### Data Engineer

Stripe

April 2016 - January 2018 / San Francisco, CA

- Ingested streaming and transactional data across 9 diverse primary data sources using Spark, Redshift, S3, and Python
- Created Python library to parse and reformat data from external vendors, reducing error rate in the data pipeline by 12%
- Automated ETL processes across billions of rows of data, which saved 45 hours of manual hours per month
- Built tools to provide real-time data around international currency exchange, reducing latency by 15%

#### Wine Bar Server

Velvet 48

September 2012 - April 2016 / San Francisco, CA

- Gained knowledge of 1,000+ high-end wines, providing customized recommendations to 40+ customers per shift
- Leveraged exceptional customer service with wine knowledge to boost monthly wine sales by 14%
- Established customer rapport through a recommended loyalty program that drove wine subscriptions up by 11%