

CONTACT INFORMATION

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Los Angeles, California

EDUCATION

B.S. / Biomedical Engineering

California State University
Long Beach, CA
2015 - 2019

M.S. / Biotechnology

Azusa Pacific University
Azusa, CA
2019 - 2021

TECH STACK

PROGRAMS

- Python
- BigQuery
- SQL Server
- Github
- Linux/
Windows VM
- PowerBI
- Litmus
- Grafana
- JavaScript
- NodeRed

APIs

- BigQuery
- Salesforce
- Fortress
- retailCloud

Sara Cruz

WORK EXPERIENCE

Los Angeles Dodgers / March 2023 – Current

Data Engineer: August 2023 - Current

Data Engineering Fellow: March 2023 – August 2023

- Data Pipeline Management:
 - Manage data pipelines/views for merchandise, concessions, and additional inter-departmental projects.
 - Built near real-time pipelines for retailCloud, Appetize, Salesforce, Fortress.
 - Built new data views in BigQuery joining previous + current POS systems.
 - Optimized inherited python data pipelines using up-to-date python concepts.
 - Developed automated tools to validate table ingestion into BigQuery.
 - This reduced the lines of code used per script, and allowed for systematic pipeline building.
 - Additionally, reduced database load times. (100,000 rows/2 hours -> 30 mins)
 - Database migration for over 10 data sources (~ 100+ tables) between SQL Server to GCP.
 - API Bulk Data Load Jobs
 - Built and maintain 30+ pipelines for various vendors.
 - Revamped ML focused pipeline (previously used once a year in the off season due to large overhaul).
 - Reduced pipeline execution time from 12+ hours to under 30 mins.
- Built robust documentations of all new processes.

Niagara Bottling Inc. / March 2021 – March 2023

Systems Development Engineer II – January 2023 – March 2023

Systems Development Engineer I – March 2021 – December 2022

- Lead, managed, and deployed Industry 4.0 projects aimed at providing Prescriptive Maintenance to 20+ internal teams.
 - Owned entire pipeline starting from data collecting to data visualization.
- Project Outcomes:
 - Resource optimization for internal teams.
 - Extended machine lifecycles and developed machine specific ML models.
 - Maintained and strategized individualized maintenance plans for each team.
- Automated project deployment process using python, node-red, and Grafana.
 - Optimized lead times for PoC initiatives and replicated network-wide.
 - Created and maintained visualization platforms using BI tools.
 - Build strong relationships with customers and vendors in order to receive timely feedback.

INTERNSHIPS

University of Louisville Athletics / August 2022 – March 2023 Sports Science Intern (Remote)

HBT Labs. / October 2020 – March 2021 Automation/Robotics Engineering Intern

Azusa Pacific University / January 2020 – October 2021 Research Assistant

Los Angeles Sparks. / November 2019 – May 2020 Youth Basketball Operations Intern