

# Alonso Sainz

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## **EXPERIENCE**

August 23' - May 24'

### **Jr. Data Analyst, JHE Trucking**

- Developed and maintained reports and dashboards to monitor key performance indicators (KPIs) such as delivery routes, fuel usage, and fleet maintenance schedules.
- Collaborated with the business consultant to design and implement data-driven routing solutions, resulting in a 16% reduction in travel distance.
- Conducted in-depth analysis of route data to identify inefficiencies and recommend improvements. Presented findings and actionable insights to management, facilitating strategic decision-making.

July 18' - August 21'

### **Vending Attendant, Bon Appetit**

- Efficiently managed a kitchen's inventory daily while tracking stock levels and maintaining an optimal inventory stock. Decreasing weekly waste by 8.5%
  - Analyzed customer behavior, identified trends, and ensured the proper items were stocked daily boosting customer satisfaction by 20%.
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## **Relevant Projects**

### **Geospatial Analysis for Route Optimization 2023**

- Utilized Geopandas and Shapely for spatial operations and mapping, while implementing OSMnx and NetworkX to calculate shortest paths between pickup and dumpsite locations.
- Created interactive maps with Folium to visualize routes and locations.
- Improved route efficiency by 14%, reducing travel distance and fuel costs.

### **E-Commerce Market Basket Analysis 2022**

- Conducted a comprehensive analysis using the Apriori algorithm revealing critical customer behaviors and seasonal trends
  - Cleaned and prepared over 400,000 data entries using Python. This involved handling missing values and formatting them into a suitable format for the model.
  - Developed actionable recommendations that improve cross-selling opportunities boosting sales by 10% on seasonal items.
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## **EDUCATION**

August 2021 - May 2023

### **Bachelor's Degree, Management Information Systems, Cal State Long Beach University**

August 2021 - May 2023

### **Business Analytics Certification, Cal State Long Beach University**

August 2018 - May 2021

### **Associate Degree, Business Administration, Ohlone College**

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## **SKILLS**

**Programming Languages:** Python (Pandas, NumPy, Matplotlib), SQL (MySQL, PostgreSQL), HTML

**Technical Skills:** Data Cleaning and Exploration, Geospatial modeling, Cluster modeling, Machine Learning (Scikit-learn)

**Data Visualization:** Microsoft Office, Tableau, Matplotlib, Seaborn