

# Joaquin Mendoza

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## EDUCATION

### San Diego State University

Aug. 2021 – Dec. 2024

*B.S. in Computer Science*

*San Diego, CA*

- **GPA:** 3.78/4.00 Cumulative
- **Relevant Courses:** Software Engineering, Database Theory, Data Science, Machine Learning
- **Extracurriculars:** Waterski Club (Vice President), AI Club (Project Lead), Pickleball Club (D1 Team)

## EXPERIENCE

### Business Intelligence Analyst Intern

May 2024 – Aug. 2024

*GoFundMe Inc.*

*San Diego, CA (FT)*

- Reduced data model complexity by 43%, accelerating data-driven financial reporting across 4,200 charities, while consulting with business operations and post-sales leaders to satisfy cross-functional business needs.
- Unified data from 50,000+ transactions by engineering a mapping diagram for fee types, aligning data across Snowflake transaction tables, Looker dashboards, and Confluence to simplify sales revenue analytics.
- Piped data from 30 Zuora charge plans into Salesforce, refining the ETL process for accurate revenue forecasting by developing a dbt model for Stripe revenue aggregation.

### Software Engineer Intern

May 2023 – May 2024

*Real Frequency – Launch Agency*

*Spokane, WA (Remote-FT)*

- Achieved 100% growth in customer acquisition by leveraging product analytics to present data-driven insights to C-suite leadership, driving strategic changes in customer engagement and product strategy.
- Increased business operations efficiency by 50% through a 240-hour reduction in monthly data entry time using scripted data workflows.
- Reduced annual labor costs by \$50k through the design and implementation of a Flask-based data reporting web application.

### Software Engineer Assistant

Dec. 2022 – Dec. 2024

*IT Division, San Diego State University*

*San Diego, CA (PT)*

- Automated microservice deployments to 7 clusters using Helm charts and GitLab CI/CD pipelines, enhancing support for machine learning and parallelized workloads.
- Optimized high-performance computing (HPC) resource allocation for 15 STEM courses and research labs through Kubernetes pod spawning logic.
- Containerized model training and inference for 11 machine learning jobs on the National Research Platform (NRP) hypercluster: Nautilus.

## PROJECTS

### ICE TRACK: Business Management System (CS 532) | *Bootstrap, Jinja2, Flask*

Aug - Dec. 2024

- Built a full-stack web application to facilitate the core business operations of a B2B ice cream supplier.
- Constructed automated testing with Pytest in a continuous integration (CI) pipeline, achieving 83% coverage.

### Hubble Finances (Personal) | *Bootstrap, Bokeh, mySQL*

May 2024 – Present

- Designed and developed a cloud-native personal finance app to deliver visualizations derived from raw financial data using Plaid's REST API.
- Secured end-to-end encryption for all stored and managed personally-identifiable information (PII) to comply with state and federal data privacy regulations.

### Real Insights (Real Frequency) | *Bootstrap, Jinja2, Flask, JQuery*

Aug. 2023 – Jan. 2024

- Developed a business intelligence (BI) app, transforming raw user data into dynamic dashboards using Jinja2.
- Produced 200+ monthly interactive reports delivering key data analytics to 37 sports organizations.

## TECHNICAL SKILLS

**Languages:** Python, SQL, C++, JavaScript

**Libraries:** Flask, Bootstrap, Jinja2

**Data Tools:** dbt, Snowflake, MySQL

**Dev Tools:** Docker, Kubernetes, Git