

# Luis E. Vivar

## Machine Learning | Software Engineer

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### SKILLS

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- **Programming Languages:** Python, R, JavaScript
- **Libraries & Frameworks:** SQL, Pandas, Numpy, Matplotlib, Seaborn, Folium, PyTorch, SciKit-Learn, React, TypeScript, Google Cloud Platform, AWS, APIs, GIT, GitLab

### RELEVANT WORK EXPERIENCE

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#### Software Engineer, Front End

Juvaré | Atlanta, GA ( August 2022 - Present )

- Analyze and visualize **SQL** server data to improve performance and decision-making processes.
- **Develop web apps** and dashboards to help federal agencies support and handle their **databases**.
- Collaborate with data teams to structure and **query large datasets** for optimized reporting.
- Integrate rest **APIs** to optimize **data exchange** between internal and client systems.

#### Front End Engineer

The 3RD Eye | Miami, FL ( October 2021 - December 2022 )

- Developed **data-driven web applications** to enhance **marketing analytics** and visibility for clients.
- Integrated **API and data pipelines** on structured / unstructured data to improve applications' functionality.
- Leveraged **JavaScript (React, Node.js)** and **SQL databases** to query and display business insights.
- Implemented **data visualization** tools and dashboards, translating complex data into actionable insights.

#### Front End Web Developer

The Dan Marino Foundation | Fort Lauderdale, FL ( August 2020 - September 2021 )

- Deployed a secure **donations portal with data validation**, improving transaction efficiency by 78%.
- Leveraged **analytics tools** to track user behavior and optimize retention on the main web portal by 24%.

### EDUCATION

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#### Master of Science in Data Science

University of Colorado Boulder ( 2022 - 2024 )

#### Bachelor of Arts in Data Visualization

Instituto Técnico Universitario IGAD ( 2011 - 2015 )

### PROJECTS

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#### SpaceX Mission Outcome Analysis and Prediction

Analyzed SpaceX launch data to determine key factors influencing mission success rates. Conducted **exploratory data analysis (EDA)** to uncover insights about launch trends, success rates by location, and payload impacts. Designed and implemented **machine learning models** to predict launch success probabilities.