

Emmanuel Salcedo

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OBJECTIVE

Recent Computer Science graduate from California State University, Monterey Bay, with a solid foundation in data analysis, programming, and software development. Passionate about leveraging analytical and technical skills to solve complex problems and drive business success. Eager to apply my expertise in a dynamic environment that fosters innovation and professional growth.

EDUCATION

California State University, Monterey Bay <i>Bachelor's Degree in Computer Science</i>	December 2023 <i>Seaside, CA</i>
Evergreen Valley College <i>Associate's Degree in Economics</i>	May 2021 <i>San Jose, CA</i>
Certification in Google Data Analytics Specialization Google, offered through Coursera	July 2021

PROJECTS

SnapShot Web Application for OACYS Solutions https://github.com/itoptics/Snapshot
<ul style="list-style-type: none">Led the development of the SnapShot web application, achieving a 30% increase in real-time network device monitoring efficiency for OACYS Solutions.Engineered a Flask-based robust backend, managing large data sets and implementing RESTful API endpoints, which improved data retrieval efficiency by 40%.Designed a custom frontend with HTML, CSS, and JavaScript, incorporating interactive data visualizations that boosted user engagement by 50% and clarified complex KPIs.Conducted statistical analysis on network performance data, uncovering trends that led to a 20% improvement in network optimization strategies.Automated ETL processes for network data, reducing manual effort by 60% and minimizing data processing errors by over 90%.Collaborated with IT infrastructure teams, aligning KPI reporting with organizational objectives and driving a 25% enhancement in data-centric network management solutions.

WORK EXPERIENCE

PayPal Inc.	San Jose, CA
<i>Data Analyst Intern on Site Reliability Engineering: Actionable Insights Team</i>	<i>January 2020 - August 2020</i>
<ul style="list-style-type: none">Developed and executed 100+ advanced SQL queries per month for comprehensive data analysis, supporting strategic business decisions, and utilized Tableau for creating and optimizing 10+ dashboards for real-time monitoring of key performance indicators.Enhanced stakeholder understanding and decision-making efficiency by 40% through effective data visualization in Tableau and insightful presentations based on complex SQL analyses.Conducted rigorous data validation and cleaning with SQL, boosting the accuracy of analytical outputs by over 95%, and streamlined data collection processes, enhancing analysis efficiency by 20%.	

SKILLS & EXPERTISE

- Data Analysis & Visualization:** Proficient in SQL and Tableau; skilled in transforming complex datasets into strategic insights.
- Storytelling through Data:** Experienced in crafting narratives that depict product and user experiences to support strategic business decisions.
- Technical Proficiency:** Strong command of Microsoft Office Suite, including advanced Excel functionalities for sophisticated formulas and charts.