

# 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

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

## PROJECTS

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

## WORK EXPERIENCE

<b>PayPal Inc.</b>	<b>San Jose, CA</b>
<i>Data Analyst Intern on Site Reliability Engineering: Actionable Insights Team</i>	<i>January 2020 - August 2020</i>
<ul style="list-style-type: none"><li>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.</li><li>Enhanced stakeholder understanding and decision-making efficiency by 40% through effective data visualization in Tableau and insightful presentations based on complex SQL analyses.</li><li>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%.</li></ul>	

## SKILLS & EXPERTISE

<ul style="list-style-type: none"><li><b>Data Analysis &amp; Visualization:</b> Proficient in SQL and Tableau; skilled in transforming complex datasets into strategic insights.</li><li><b>Storytelling through Data:</b> Experienced in crafting narratives that depict product and user experiences to support strategic business decisions.</li><li><b>Technical Proficiency:</b> Strong command of Microsoft Office Suite, including advanced Excel functionalities for sophisticated formulas and charts.</li></ul>
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