

Carlos Sánchez Gutiérrez

B.S. in Computer Science - Computational
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Experience

- **CEMEX - Global Data Science Intern (Jan 2026 – Jun 2026)**

Contribute to global supply chain data platforms with a focus on data engineering and scalable optimization systems using Python, SQL, Snowflake, Databricks, and Microsoft Azure. Work across the end-to-end data lifecycle, translating complex regulatory, legal, and operational constraints into production-grade data workflows for a digital replenishment engine. Support the adaptation of supply and logistics models across multiple geographies, addressing differences in transportation regulations and compliance requirements between the U.S. and Mexico, with direct impact on demand forecasting, inventory planning, and network optimization. Collaborate on a global initiative delivering ~USD 284K in annual cost savings, initially deployed in Mexico with a defined roadmap for international rollout.

- **Santander - Document Delivery & Training Analytics Platform (Aug 2025 – Dec 2025)**

Built a cloud-based analytics platform to track document workflows and employee training performance. Designed SQL data models (MySQL), developed data pipelines, and delivered dashboards with individual and branch-level metrics. Designed AWS architecture and managed development using Agile (Scrum) and GitHub.

- **Smart Incubator for Premature Babies - Data & AI System (IEEE Paper Accepted) (Feb 2025 – Jun 2025)**

Developed a data-driven health monitoring system using Python and SQL to analyze vital parameters. Implemented data ingestion pipelines for visual monitoring. Managed structured data with Oracle APEX; project resulted in a peer-reviewed IEEE paper presented at LARC-LARS.

Certifications

- Oracle Cloud Infrastructure (OCI) Foundations — 2025
- Oracle AI Foundations — 2025
- Oracle Data Platform Foundations — 2025
- Certified Scrum Master (CSM)

Summary

Computer Science undergraduate focused on data engineering and scalable data systems. Strong experience in SQL, data modeling, and building production-grade data pipelines across cloud platforms (AWS, Azure, GCP). Hands-on experience with Python, distributed analytics environments, and enterprise data tooling. Interested in engineering-driven data roles that operate at scale and support high-impact, production workloads.

Languages

- English: C1
 - German: A1
 - Spanish: Native
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Hard Skills

- **Programming Languages:** Python, SQL, C++
- **Data Engineering:** Data Cleaning, Exploratory Data Analysis (EDA), Data Pipelines, ETL, Data Modeling
- **Data Science:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch
- **Cloud Platforms:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
- **Databases:** Oracle Database, MySQL, MongoDB (NoSQL)
- **Data Visualization:** Power BI, Tableau, Looker Studio
- **Version Control:** Git, GitHub, GitLab
- **Command Line:** PowerShell, Bash
- **Project Management & Collaboration Tools:** Jira
- **Agile Methodologies:** Scrum