

LUIS O. SILVA

DATA SCIENTIST

Location: México (Based in Acapulco – Open to remote roles across LatAm & U.S.) | +52 5583601074 | luisosvsilva@gmail.com | Github: <https://tinyurl.com/4cy9b96k> LinkedIn: <https://tinyurl.com/hhhsvr2>

PROFESSIONAL SUMMARY

Resourceful and data-driven professional with hands-on experience in SQL, Python, and machine learning. Passionate about using analytics to solve real-world problems and improve decision-making. Known for learning fast, working independently, and building scrappy solutions that deliver results. Ready to join a mission-driven team where I can grow, contribute, and help ship impactful products.

EXPERIENCE

Bookkeeper | Private Accounting Firm – Acapulco de Juárez

Jun 2024 – Feb 2025

- Managed accounts payable and accounts receivable processes.
- Prepared financial statements, balance sheets, and income reports.
- Supported accounting department by reconciling accounts and reviewing payment processes.

General Assistant | Marin Hardware Store

Mar 2021 – Feb 2024

- Supported day-to-day operations including invoicing, inventory control, and cashier duties.
- Handled supplier relations, reconciliations, and bank deposits.

Salesman | Marin Hardware Store – Acapulco de Juárez

Aug 2019 – Mar 2021

- Built client trust by offering product solutions for electrical and water installations.
- Closed sales with a wide range of clients, boosting revenue.

EDUCATION

Bachelor's degree in accounting – Universidad Autónoma de Guerrero
December 2025 (Expected)

IBM Data Science Professional Certificate

Google Advanced Data Analytics Certificate

Google Business Intelligence Certificate

Microsoft Machine Learning with Azure Certificate

Python & Statistics for Financial Analysis – HKUST Certificate

SKILLS

- Programming: Python, SQL, Bash, Git, Jupyter Notebook, Google Colab, PowerShell, Visual Studio Code
- Libraries & Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, PyTorch (basic), Matplotlib, Seaborn
- Data Analytics & Visualization: Power BI, Tableau, Looker Studio, Excel, A/B Testing, KPI Dashboards, Report Automation
- Machine Learning: Regression, Classification, Time Series Forecasting, Model Evaluation (F1-score, AUC, RMSE), Hyperparameter Tuning, Feature Engineering
- Statistical Methods: Hypothesis Testing, Descriptive & Inferential Stats, Causal Inference (Diff-in-Diff, Uplift Modeling), Bayesian Analysis
- Big Data Tools: PySpark (basic), Data Wrangling, ETL Pipelines, JSON Parsing, APIs
- NLP: Text Preprocessing, Sentiment Analysis, Logistic Regression, BERT (basic), CountVectorizer
- Soft Skills: Communication, Critical Thinking, Problem Solving, Time Management, Stakeholder Reporting
- Languages: English (Intermediate), Spanish (Native)

INTERESTS

Weightlifting · Long-distance running · Boxing · Listening to music · Continuous learning

PROJECTS

Taxi Demand Forecasting (Time Series)

TripleTen – Sprint 15

- Developed ARIMA-based models using seasonal decomposition (STL), lag features, and rolling statistics to predict hourly taxi demand in NYC.
- Achieved RMSE < 48, meeting project target.
- Built interactive dashboards in Power BI to compare predicted vs actual demand.

Customer Churn Prediction (Classification)

TripleTen – Sprint 14

- Built Logistic Regression, Random Forest, and LightGBM models to predict customer churn.
- Handled class imbalance using SMOTE and evaluated models using F1-score and AUC-ROC.
- Delivered insights using Tableau visualizations and Python reports.

Oil Field Profitability Analysis (Regression + Simulation)

TripleTen – Sprint 13

- Built regression models to estimate ROI of oil drilling sites.
- Simulated investment risks and returns using bootstrapping.
- Created dashboards comparing financial outcomes by region.