DOMINIC SANDOVAL

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SUMMARY

Artificial intelligence-driven data analyst with experience supporting artificial intelligence initiatives, evaluating tools, and improving data workflows. Skilled in SQL, Python, data cleaning, and translating complex technical concepts into clear guidance for stakeholders. Strong background in workflow optimization, cross-functional collaboration, and aligning technology solutions with business goals. Passionate about responsible artificial intelligence, governance, and helping organizations adopt emerging technologies effectively and ethically

SKILLS

Generative Artificial Intelligence | EDA (Exploratory Data Analysis) | Python | scikit-learn | SQL | Matplotlib | Jupyter Notebook | GitHub | Data Visualization | Artificial Intelligence | Predictive Modeling | Statistical Analysis | Machine Learning

TECH PROJECTS

Instagram Engagement Analytics Pipeline | 2024–Present

Built a multi-metric analytics system to track and interpret Instagram performance using daily-granular datasets across reach, views, profile visits, and follower growth.

- Analyzed multi-year engagement patterns, identifying major reach spikes (e.g., 8,327+ reach, 5,500+ views) and correlating them with posting behavior, content type, and follower acquisition bursts of up to 9 new followers/day.
- Developed time-series models to detect anomalies, seasonality, and drop-off periods, revealing cycles where engagement surged from single-digit days to multi-thousand impressions across consecutive weeks.
- Consolidated reach, visits, views, and follower data into a unified analytics workflow, enabling clearer insight into content performance drivers and improving strategic planning for future posting and audience growth.

Multi-Platform Pricing & Demand Analytics System (eBay + Facebook Marketplace) | 2009–Present

Built a multi-platform analytics workflow to optimize sourcing, pricing, and profitability across Facebook Marketplace (acquisition) and eBay (sales), using real-world buyer behavior and demand data.

- Analyzed pricing trends, negotiation patterns, category-level performance, and sales velocity to refine listing strategy and improve forecasting accuracy for high-turnover electronics.

- Evaluated margin performance by comparing gross amounts, fee structures, and order-level earnings, identifying opportunities to increase profitability and reduce inefficiencies.

- Standardized listing templates, automated communication workflows, and organized inventory data to streamline operations and improve consistency across both platforms.

Operational Workflow Optimization | Scooper Heroes | 2024

Led a real-world operational optimization pilot to evaluate workflow efficiency using customer frequency, route density, and scheduling data to identify automation opportunities.

- Mapped end-to-end processes and analyzed bottlenecks in scheduling, routing, and customer communication using data-driven diagnostic methods.

- Conducted exploratory analysis on service patterns to test new grouping, routing, and scheduling strategies aimed at reducing travel time and improving route consistency.

- Redesigned workflows using systems thinking and data-supported insights, resulting in measurable efficiency gains and more predictable operational performance.

EXPERIENCE

eBay & Facebook Marketplace Store | E-commerce Data Analyst

Remote • 2009 – Present

- Analyzed multi-platform sales, pricing trends, and buyer behavior across 1,000+ listings and 15+ product categories, improving conversion rates and overall profitability for high-velocity electronics.

- Evaluated product demand, negotiation patterns, and competitive positioning to refine sourcing decisions, increasing forecast accuracy and boosting average resale margins by 20–35%.

- Streamlined operational workflows by standardizing listing templates and automating communication processes, reducing manual listing time by 30%+ and improving order processing consistency across platforms.

Scooper Heroes | Business Data Analyst

Highland, IN • 10/24 – Present

- Analyzed subscription and churn data across 75 residential customers in Illinois and Indiana, identifying patterns in pricing sensitivity, seasonal cancellations, and non-payment behaviors to support retention and operational planning.
- Evaluated route performance across 150+ logged service shifts, analyzing 522+ hours of field time and 13,595 miles of annual route mileage to understand workload distribution, route duration (3–6 hours), and travel density (40–80 miles per shift).
- Mapped end-to-end operational workflows across 2 multi-state routes, identifying bottlenecks in scheduling, routing, and communication that informed data-driven improvements to service consistency and customer experience.

International Christian Church | Ministry Data Analyst

Varied Locations • 2020 – 2025

- Analyzed engagement and growth metrics as the ministry expanded from 15 to 50+ active members over two years, supporting strategic planning and leadership decision-making.

- Tracked and organized data for 200+ simultaneous Bible studies, identifying trends in follow-up completion, study progression, and participant retention across multiple ministry segments.

- Supported leadership during a period of rapid expansion marked by the church's first triple baptism and recognition as one of the fastest-growing churches in America (2021), providing insights that strengthened outreach consistency and member engagement.

EDUCATION

TripleTen Bootcamp | Artificial Intelligence & Machine Learning Program

Remote 2025 – Present
Hands-on, project-based training in Python, SQL, machine learning, and artificial intelligence solution development.

- Built end-to-end machine learning and artificial intelligence projects, including user behavior analysis, churn prediction, and workflow optimization.

- Developed skills in data cleaning, feature engineering, model evaluation, and artificial intelligence-driven problem-solving.

Purdue University Northwest | B.S. Computer Science (In Progress)

Hammond, IN Sept 2024 – Present (Currently on pause)
Completed foundational coursework in programming, algorithms, and computer systems.

International College of Christian Ministries | B.A. Organizational Leadership

Los Angeles, CA 2016 – 2018
Completed coursework in leadership, communication, organizational development, and team management.