Pablo Campos

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Professional Summary

Data-driven professional transitioning from manufacturing to IT, with hands-on experience in full-stack web development, data analytics, statistical modeling, data visualization, and process automation. Skilled in SQL, Python, R, Power BI, and statistical analysis.

Key Skills

- **Database & Web Development:** MongoDB, PostgreSQL, Prisma, React, Node.js
- **Data Analysis & Modeling:** Predictive modeling, regression (linear, logistic), correlation analysis, time series forecasting, A/B testing, ANOVA
- **Analytics Tools & Technologies:** Python, R, SQL, Excel/VBA, Pandas, NumPy, Tidyverse, Power BI, Tableau
- **Industrial Engineering & Process Improvement:** Lean Manufacturing (Certified), Lean Six Sigma Green Belt, DMAIC, 5S, Design of Experiments (DOE)
- **Cloud and Collaboration:** Amazon Web Services, Git
- **Soft Skills:** Communication, leadership, mentoring, problem solving, cross-functional collaboration

Formal Education

Diploma – Information and Computer Systems

Camosun College, Victoria, Canada   Sep 2023 – Aug 2025

B.S. Industrial Engineering with Minor in Systems Engineering

Tecnológico de Monterrey, Chihuahua, Mexico   Jan 2014 – May 2019

Professional Experience

Capstone Project – Full-Stack Web Application

Camosun College – Victoria, Canada   May 2025 – Aug 2025

- Designed and implemented **database schemas** and queries to support data-driven features, ensuring efficient data storage and querying.
- Contributed to **UI/UX design**, enabling clear presentation of complex datasets to end users.

Operations Analyst

DC Concretos – Silao, Mexico   Feb 2021 – Jul 2022

- Conducted **correlation analysis** to identify operational factors with the highest impact on diesel consumption for mixer trucks, enabling targeted cost-reduction strategies.
- Developed **interactive Power BI Dashboards** to monitor vehicle performance, fuel efficiency, and KPIs.

Quality and Process Control Engineer

Essilor International – Chihuahua, Mexico   Aug 2018 – Aug 2019

- Built and deployed **linear regression models** to predict **defect rates** in prescription lenses, reducing production waste.
- Designed and implemented a **Statistical Process Control (SPC)** system for **injection molding machines**, using **VBA** and **Excel**, enabling real-time monitoring of process parameters.

Freelance Online Programming Tutor

Superprof - Online   Occasional / Ongoing

- Deliver **customized virtual lessons** in **HTML**, **CSS**, **SQL**, **Python**, and **R**, adapting content to students' needs, skill levels, and learning objectives.

Additional Experience

Tour Guide

Experience Victoria, Victoria, Canada   May 2024 – Present

- Lead groups up to 45 participants, coordinate pickup and drop-off logistics, and handle unexpected challenges, ensuring tours run on schedule.

Computer Science Teacher Volunteer & General Coordinator

Family Tech Student Society, Chihuahua, Mexico   Aug 2016 – Dec 2019

- Taught **introductory computer science** topics, including fundamental programming concepts and basic software tools, to diverse groups of students.
- Coordinated **logistics for registration, scheduling, and graduation events**, ensuring smooth operations for multiple cohorts.

Certifications

- Google Advanced Data Analytics Certificate – Coursera, 2024
- IBM Data Science Specialization – Coursera, 2023
- Google Data Analytics Specialization – Coursera, 2023
- Design of Experiments Specialization – Arizona State University – Coursera, 2023
- Machine Learning – Stanford University – Coursera, 2021
- Data Analysis with R Specialization – Duke University – Coursera, 2020
- Lean Six Sigma Green Belt – Tecnológico de Monterrey, 2019