Carolina Virreira

Advocate for ethical use of technology

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Education

Bachelor of Science in Industrial Engineering | Minor in Data Analytics   **Graduated May 2023**

University of Arkansas, Fayetteville, AR

- *Relevant Coursework*: Data Mining, Intro to Operations Research, Project Management, Intro to Database, Simulation, Business Analytics and Visualization, Decision Support, Work Methods, Production Planning and Control.

Skills

R	Tableau	Six Sigma	G Suite	ChatGPT	Scheduling
SQL	Power BI	Kaizen	Asana	Lucid Charts	Material Planning
VBA	Access	MS Visio	Slack	AMPL/CPLEX	Project Management
SAS	Canva	MS Suite	Trello	SAP ERP	Fluent in English and Spanish

Work Experience

Project Manager Intern | *Wachter Electric Company, Lowell, AR*   **May 2022 - Aug 2022**

- Created efficient project schedules, cost estimation analysis, and managed bid opportunity sourcing and evaluation.
- Reduced project cost by 31% and improved project completion time by 43% through creating a step by step recruiting guide, to efficiently hire technicians for job sites. Saved >86,400$/yr.
- Applied Agile problem-solving methods to resolve high-priority issues in a fast-paced environment.

Business Analyst Intern | *Bodega Casa Grande, Tarija,* Bolivia   **Dec 2021 - Jan 2022**

- Migrated historical datasets to CSV formats for ease of access, visualization, and analysis for future use cases.
- Drafted a business plan in MS Visio, resulting in a 3% sales increase in targeted locations.
- Coordinated with international wine companies to establish partnerships with Brazil and Argentina.

Assistant Manager | Chartwells - *Compass Group, Fayetteville,* AR   **Aug 2022 – May 2023**

- Optimized workstation layout, eliminating bottlenecks and reducing peak-hour order fulfillment time by 20%.
- Streamlined onboarding for new team members, maximizing productivity and integration.

Faulkner Arts Center Student Assistant | *University of Arkansas, Fayetteville,* AR   **Aug 2021 – May 2023**

- Provided customer service while planning and executing events on time and within budget.
- Managed aspects of booth tech, sound, and light set-up for successful concerts, ensuring seamless performances.

Cross Cultural Mentor | *University of Arkansas, Fayetteville, AR*   **Aug 2019 – Aug 2021**

- Mentored 40-50 new international students per semester with academic integrity standards and campus rules.
- Conducted monthly surveys to proactively engage with students, cultivating an inclusive environment and promoting cross-cultural appreciation.

Projects

Project Manager, Capstone Experience - Nestlé Industry Partner   **Aug 2022 – May 2023**

- Led a team of 5 students and coordinated with 2 corporate mentors to improve a times series forecast modeled with R Studio and R Shinny.
- Used Slack and Asana for team communication, access to information, task assignment and progress tracking.
- Processed raw historical data to mitigate the Effect of COVID-19 on Sales Trends.
- Integrated a desktop app for the UI using Electron, enabling easy access for employees with no coding background.

Predictive Modeling Project for YouTube Videos   **Jan 2023 - April 2023**

- Trained machine learning models (MLR and KNN) in R to predict the growth of views for YouTube videos in their first hours of release. YouTube Predictive Model
- Utilized data preprocessing techniques including feature selection, filtering, and addressing multicollinearity to ensure high-quality data for analysis.

Spotify Business Analytics Regression   **Aug 2022 - Dec 2022**

- Analyzed, modeled, and forecasted Spotify data from 2010-2015 to advise business decisions.
- Utilized SAS for regression testing and Tableau to create visualization dashboards and find hidden insights.

Operations Research Optimization Project   **Aug 2021 - Dec 2021**

- Implemented a p-median model in AMPL/CPLEX to strategically locate fire stations, optimizing the distance traveled by fire trucks. Locating Fire Stations
- Gathered data of current fire stations to support the model and find exact coordinates for optimal locations.