Carolina Virreira

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Integrity, Curiosity, Dedication and Passion.
Portfolio
LinkedIn

EDUCATION

Bachelor of Science in Industrial Engineering | Minor in Data Analytics **Expected: May 2023**
University of Arkansas, Fayetteville, AR

- ***Relevant Coursework*:** Introduction to Operations Research (AMPL/CPLEX), Project Management, Simulation Modeling (Arena), Business Analytics and Visualization (Tableau and SAS), Introduction to Database (SQL/Access), Decision Support (VBA/Excel), Data mining (R/Linear Regression), Computing Methods for IE (Java)

SKILLS

- ***Technical:*** Microsoft Office, Visual Studio Code, R, Excel, VBA, SQL, SAS, Access, Trello, Arena, PowerBi, Tableau, Scrum and Agile , Google Analytics, Six Sigma White Belt, Social Media.
- ***Languages:*** Fluent in English and Spanish (written and verbal), Beginner Portuguese

WORK EXPERIENCE

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

- Hired and assigned resources for specific projects, ensuring planned results were achieved on time and within budget.
- Managed the process of sourcing, evaluating, and estimating selected bid opportunities.
- Reduced 23% of the time spent finishing a wave, obtaining a user-friendly, quicker, and straight forward process.
- Oversaw the day-to-day communication with customers, essentially representing the face of Wachter.

Faulkner Arts Center Student Assistant | *University of Arkansas, Fayetteville,* AR **Aug 2021 - Present**

- Provided excellent customer service, problem solving, and communication. Planned on-time and in-budget.
- Scheduled and managed all maintenance request necessary for concerts to perform.

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

- Analyzed and re-organized large sets of historical data, allowing a more user-friendly usage.
- Efficiently communicated a plan specifically made to raise up sales about 1.23% on specific locations.
- Coordinated with other wine companies to establish possible partnerships.

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

- Acquainted students with the principles of academic integrity and college academic standards
- Presented the importance of different race, gender, ethnicity, religion, cultural, sexual orientation, or nationality.

RELEVANT PROJECTS

Predictive Modeling Project **Aug 2022 - Dec 2022**

- Developed a machine learning model to predict the growth of views of YouTube videos.
- Removed highly correlated and near-zero predictors, followed by visualizations and plots to better understand trends.
- Performed a MLR model and a k-nearest neighbors model. Communicated complex data insights through clear and engaging presentations, using visualization and storytelling techniques for diverse audiences.

Excel Decision Support Final Project **Aug 2022 - Dec 2022**

- Created a user interface using VBA to easily manage a library database from a Welcome tab.
- Included Add, Delete, and Update macros to accordingly manipulate the data and perform commands.
- Used ComboBox, CommandButton, MultiPage, ListBox, OptionButton, and more making the interface user-friendly.

Business Analytics Final Project **Aug 2022 - Dec 2022**

- Analyzed Spotify Data from 2010-2015 to provide insights of what the data tell us.
- Used SAS to provide statistical analysis (MLR) to make decisions and recommendations.
- Used tableau to create visualizations and communicate/find insights about the data.

Forecasting User Interface Senior Project - Nestlé Industry Partner **Aug 2021 – May 2022**

- Worked efficiently on a team to improve a personalized times series forecast using R Studio and R Shinny.
- Managed and organized historical data using Excel and VBA to analyze the effect of COVID-19 on sales.
- Created a desktop app using electron, providing access to the user interface. Developed visuals and graphs on PowerBi to analyze sales trends.

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

- Implemented a p-median model to locate p facilities, minimizing the distance traveled by consumers to facilities.
- Gathered data to support the model. Calculated the distances between node j to its assigned facility
- Applied the model to AMPL/CPLEX to find the optimal solution for locating the fire station.