# Carolina Virreira

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## PROFILE

Methodical, results-oriented industrial engineer student at the University of Arkansas. Highly interested on Data Analytics, RPA, and Continuous process improvement. I look for opportunities that will help me built a strong career path, while growing personally. My top values: Integrity, Curiosity, Dedication and Passion.

## SKILLS SUMMARY

- *Technical:* Microsoft Office, Visual Studio Code, R, Excel, VBA, SQL, SAS, Access, Arena, PowerBi, Tableau, Google Analytics, Six Sigma White belt.
- *Interpersonal*: Self-starter, Excellent team member, Leadership, Strategic Thinker, Problem Solving, Decision Making, Self-motivated.
- *Languages:* Fluent in English and Spanish (written and verbal), Beginner Portuguese.

## EDUCATION

**Bachelor of Science in Industrial Engineering**                                                  **Expected: Dec 2022**
**Minor in Data Analytics**
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), Computing Methods for IE (Java).

## WORK EXPERIENCE

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

- Responsible for hiring and assigning resources for specific projects, guaranteeing planned results are achieved on time and within budget.
- Developed budgets, and timelines, and ensured progress to plan and track critical project achievements.
- Managed the process of sourcing, evaluating, and estimating selected bid opportunities.
- Implemented a process improvement for assigning resources, scheduling, and logistics. Reduced 23% of the time spent finishing a wave, obtaining a user-friendly, quicker, and straight forward process.
- Oversee the day-to-day communication with customers, essentially representing the face of Wachter.

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

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

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

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

## RELEVANT PROJECTS

**Nestlé's Forecasting User Interface Senior project**                                           **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, with direct access to the time series forecast 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 number of p facilities, to minimize the total distance traveled by consumers to facilities.
- Identified the indices, parameters, variables, and constraints accordingly.
- Gathered data to support the model. Calculated the distances between node j to its assigned facility.
- Applied the model to AMPL/CPLEX, in order find the optimal solution for locating the fire stations.

## LEADERSHIP EXPERIENCE

**Cross Cultural Mentor**                                                                                          **Aug 2019 – Aug 2021**
*University of Arkansas, Fayeteville  AR*
- Acquainted students with the principles of academic integrity and college academic standards.
- Presented the importance of different race, gender, ethnicity, religion, cultural background, socioeconomic background, sexual orientation, or nationality.

**Latin Heritage Organization President**                                                                **Aug 2019– Present**
*University of Arkansas, Fayeteville AR*
- Logistics planning and events aesthetics, for events and productions to be successful.
- Promote Latin Culture through non-profit events.


**Website: [https://carolinavirreira.github.io/PortfolioCarolinaVirreira.github.io/#](https://carolinavirreira.github.io/PortfolioCarolinaVirreira.github.io/#)**