






# JUAN CARLOS LOBO SCHIRRU

INDUSTRIAL ENGINEER

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## Summary

Motivated by a strong passion for research, I have actively sought opportunities to expand my knowledge and contribute to meaningful projects. This drive led me to volunteer at a food bank in Canada, where I immersed myself in community service and explored the complexities of social welfare. Furthermore, I was awarded a scholarship at the esteemed Instituto Politécnico Nacional (UPIICSA) in Mexico City to complete my last semester of undergraduate studies, advancing my academic goals. These diverse experiences have not only broadened my global perspective but also deepened my understanding of the interconnectedness of science, society, and technological advances. They have provided me with invaluable insights into international industries and the crucial role of emerging technologies in driving progress. This trajectory has instilled in me an unwavering dedication to continue along the path of research to effect positive change on a global scale.

## Conferences and academic events

### III International Congress of Business Sciences and Related Fields

Presentation: Design of a learning environment for the operations management area

## Skills

- Working under pressure
- Leadership and teamwork
- Project management skills

## Values

- Disciplined
- Honest
- Responsible

## Languages

- English
- Spanish



CO-Investigador Research Seedbed in Gestión Tecnológica y de Operaciones (SIGTO)

## Education

### Bachelor of Industrial Engineering

Thesis ,Francisco de Paula Santander University - Cúcuta

2019- 2024

### High school

Colegio Calasanz Cúcuta

2014- 2017

## Academic achievements

### Ciencia de datos e inteligencia artificial en los procesos organizacionales

Data Science and Artificial Intelligence in Organizational Processes

2024

### Academic Mobility Scholarship at Instituto Politécnico Nacional-UPIICSA

Scholarship from Francisco de Paula Santander University to study a semester of Industrial Engineering at the esteemed Instituto Politécnico Nacional (UPIICSA) in Mexico City.

2023

### Canadian Language Learning College Toronto (CLLC)

Advanced English and Pathway to University C1 at Canadian Language Learning College, Toronto.

2022

### Fundamento de Finanzas Empresariales

Course on Fundamentals of Business Finance at the University Los Andes.

2020

## Research experience

- Design of a learning environment for the operations management area using industry 4.0 technologies. 2024
- Proposal for the Systematization of Standard Work in the Operational Excellence Area at the Cemex Los Patios Plant. 2023

## Work experience

### Practitioner in the field of quality and operational excellence

- Optimized Standard Work protocols and enforced 5S audit procedures to enhance manufacturing efficiency.
- Monitored and interpreted Operational Excellence and Quality KPIs, providing insightful weekly briefings to executive leadership.
- Led monthly performance reviews, effectively communicating progress and updates to staff at all levels.
- Managed and analyzed Key Performance Indicators (KPIs) for Operational Excellence and Quality, delivering insightful weekly reports to plant management.
- Coordinated the meticulous processing and dispatch of quality assessment reports for clinker and coal samples to international laboratories in Mexico and Switzerland.
- Responsible for signaling and evaluating the 5s boards of each area, carrying out strategic improvement initiatives.

### Volunteering in Logistics and Distribution

- Spearheaded food bank delivery logistics, ensuring efficient distribution to those in need.
- Managed registration and support for service beneficiaries, tailoring provisions to meet dietary requirements.
- Contributed to meal preparation and organizational tasks.

### CEMEX COLOMBIA S.A.

Los Patios  
JUL 2023-JAN 2024

### Oasis Dufferin

Community Centre  
Toronto  
Feb 2022-Aug 2022