# David Cruz Beltrán

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*Open to relocation + remote work.

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## EXECUTIVE SUMMARY

I am a **results-oriented Mechatronic Engineer** with a proven **track record** in **project management, problem-solving**, and **process optimization.**

- Proficient in **visualizing** and **executing projects** from **inception** to **delivery**, ensuring timely and **organized outcomes.**
- **Technologically savvy**, I leverage **market tools** to offer **dynamic solutions** and help the **business succeed.**
- Master's student in **Artificial Intelligence** with an interest in **data analysis** and **visualization**.
- Passionate about learning from diverse business **areas,** seeking to **apply** my **logical thinking** and **leadership** skills in **data analysis roles.**
- **Committed** to leveraging **data analysis** and **visualization** techniques to drive insightful **decision-making** and optimize business outcomes.

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## WORK EXPERIENCE

**RCR Materiales y Servicios para Construcción |** *Materials, equipments and tools for diverse projects*                     *Toluca, State of Mexico*
Business Administrator                                                                                                                                            **2022- 2024**

- Performed thorough **supplier research** and **analysis** to **identify potential partners** for **product procurement.**
- Acquired **in-depth knowledge** of the **products** to provide exceptional **customer service,** assisting **clients** in finding **optimal solutions** for their specific needs.

**Achievements**: *Recognizing* the *need* for a *solution* that *integrates* all *operations,* I proactively *decided* to *migrate* our *data, adapt* existing *processes,* and *establish new ones* within the **Odoo** software; this strategic *approach* ensured that **Odoo** effectively *met* our *organizational requirements.*

**Cuatimar Construcciones |** *Specialists in industrial projects, construction and special projects*                     *Toluca, State of Mexico*
Project Engineer                                                                                                                                            **2021**

- Assumed **responsibility** for the **Project Sludge Pit** at the **Ford Hermosillo Plant,** tasked with the goal of **filling** and **compacting** the **pit** within a specified **timeframe** of **three** and a **half months**; ensuring **compliance** with **safety** and **environmental regulations** was essential, necessitating effective **coordination** with other **contractors** to **meet project deadlines.**
- To **streamline operations**, I developed a **personnel attendance system** based on **Python-Flask,** significantly **enhancing efficiency** through **automated overtime calculations** and **weekly payroll generation**; before implementing this system, the **payroll process** was **manual** and **time-consuming**, requiring a **full day** and the **collaboration** of **three individuals.**

**Achievements**: *Demonstrated my **versatility** by **designing** and **programming** the **company's website** using **HTML, CSS,** and **basic JavaScript**, showcasing proficiency in both **back-end development** and **front-end design.**

**Amcor |** *Responsible packaging for food, beverage, pharma, etc.*                                               *Toluca, State of Mexico*
Project Trainee                                                                                                                                            **2019- 2020**

- Tasked with **establishing** an **external warehouse,** I collaborated with an **external contractor** to meet **project requirements** within a **6-month timeframe**; this encompassed solid **communication**, **adherence** to **safety standards (FSC22000),** and overseeing the **relocation** of **materials** from the **existing warehouse**. I **ensured** the **secure transfer** of **inventory, optimized layout design**, and maintained **open communication** with **stakeholders** for **seamless execution.**
- I conducted a detailed **Excel analysis** of the growth of the plant in the last three years to inform inventory projections and **optimize** layout design.

**Achievements**: *Guaranteed the **project's success** by **transmitting** a *clear* and **consistent communication** with **stakeholders**, ensuring their **needs** were **understood** and **addressed** | **Engineered** an **Excel-based Material Requirements Planning (MRP) system** to **forecast** and **requisition materials** for **upcoming production days.**

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## KEY SKILLS

*Strategic planning • Effective communication • Leadership • Organization • Creative, yet logical and analytical thinking • Big-picture mindset • Innovative vision • Team player • Strong work ethic and values • Customer experience • Independence • Updated on trends • Analytical capacity • Problem-solver •Adheres to deadlines • Data analysis • Project management • Detail-oriented approach •* Data visualization • Attention to detail

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## TECHNICAL TOOLS

**Spanish |** *Native* • **English |** *Advanced* • **German |** *Basic* • **Microsoft Office Suite |** *Advanced* • **Odoo |** *Advanced* • **Python |** Intermediate • **C++ |** *Basic* • **SQL |** *Basic* • **Tableau |** *Basic*

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## EDUCATION

**B.S. |** *Mechatronics Engineering*                                                                                    ***ITESM.*** *Tecnológico de Monterrey, Graduated in 2018*
**M.S.|** Applied Artificial Intelligence                                                       ITESM. Tecnológico de Monterrey, in progress. March, 2026 estimated graduation date.

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## FURTHER TRAINING

- *Courses* | **Getting and Cleaning Data • R Programming • The Data Scientist's Toolbox • Managing Project Risks and Changes • Project Management Principles and Practices Specialization • Project Management • Solar Energy Basics • Budgeting and Scheduling Projects •Initiating and Planning Projects |** *Coursera*
- *Courses* | **Data Science and Analytics with Python • Data Visualization with Tableau (in progress)**

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## ADDITIONAL INFORMATION

- *Volunteering. Local Leader* | **Spearheaded workshops on youth empowerment within local high schools, overseeing fundraising efforts to cover expenses and creating engaging activities to empower fellow colleagues** | *SerVersMX,a  social movement aiming for positive environmental transformation, benefiting youth aged 15 to 25 across various regions in Mexico.*