

ALESSANDRA JORQUERA

JUNIOR DATA ANALYST

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Santiago, Chile

PROFESSIONAL PROFILE

Data analyst with a background in Industrial Design and experience in qualitative and quantitative analysis. With solid knowledge in research and project management, I am skilled at translating complex data into practical solutions and effective visualizations. I work with tools such as Python, SQL, Tableau, and automation techniques to optimize processes and extract valuable insights. My analytical and creative approach motivates me to drive data-based decision making.

WORK EXPERIENCE

2021 - Present

Analysis and Design Engineering / Ilca Studio

SANTIAGO, CHILE

- Conducted a human factors study using **NVivo** to analyze preferences of heavy vehicle drivers regarding human-machine interface (HMI) design.
- Developed quantitative analysis with construction vehicle simulator experiments to evaluate design effectiveness, applying statistical tools and data visualization through **Python** and **Tableau**.
- Analyzed workplace satisfaction surveys in the Human Resources area, processing and visualizing data to identify patterns and trends.

2020 - 2022

CAD/CAM Designer / Techne ice

LONDON, ENGLAND

- Analyzed technical requirements and transformed them into quantifiable specifications for CNC programming.
- Developed parametric optimization methodologies to reduce manufacturing times.
- Created simple predictive models for resource estimation in projects of different scales.

2015 – 2019

CAD CAM Designer / Demadera EIRL

VIÑA DEL MAR, CHILE

- CNC milling workshop that mainly produces furniture for children and industrial graphics / Fixed team of 5 people.
- Responsible for creating designs, renders, plans, and CNC programming for small and medium-scale manufacturing.
- Analyzed production process performance to identify improvement opportunities.

EDUCATION

2024	Tripletten Data Analyst Program <i>Course focused on data analysis, covering Python, SQL, and standard analysis methods. Includes 12 practical projects based on real-world data.</i>
2019 – 2020	Nottingham Trent University MA Products and Furniture Design <i>Studies on sustainable products, professional collaboration project with Brunel Healthcare.</i>
2009 – 2014	Pontificia Universidad Católica de Valparaíso BA Industrial Design <i>Industrial and object design, final project in bioclimatic architecture.</i>

SKILLS AND SOFTWARE

Technical Skills: Python | Data Wrangling | SQL | VS Code | GitHub | Tableau | Plotly | Matplotlib | Dash | Microsoft Office (Excel).

Design Software: Illustrator | InDesign | Photoshop | Inventor | SolidWorks | KeyShot | AutoCAD | Premiere Pro.

Languages: English (Proficient) / Spanish (Native).