ANDREINA MENDOZA FRANCO

Chemical Engineer

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SUMMARY

Chemical Engineer with 6 years of experience specializing in project management and quality assurance, transitioning into Data Analytics. Adept at leveraging data analysis and process optimization to drive business value, maintaining a +95% client satisfaction rate in technical projects.

WORK EXPERIENCE

Quality Assurance Analyst - Empresas Polar **Nov 2025 - Present**

- Designed and deployed functional dashboards to track and visualize key quality metrics, enabling internal plant stakeholders to monitor process variables.
- Spearheaded the digitalization of manual lab records, designing standardized data entry templates to eliminate administrative redundancies and streamline data ingestion.
- Enforced strict data quality protocols by auditing finished product variables, monitoring Critical Control Points in packaging, and performing physicochemical analysis.
- Reorganized and optimized cloud-based data storage and digital workspaces, improving data accessibility and retrieval times.

Conceptual Engineering Analyst - Empresas Polar **Jun 2023 - Oct 2025**

- Led multidisciplinary project teams (engineering, operations, technology) during the conceptual stage, developing and analyzing technical data to deliver Class 2 precision cost and viability models.
- Designed and implemented an internal tracking system and visual dashboard, centralizing project updates and providing stakeholders with real-time progress metrics.
- Optimized legacy Excel workflows and data pipelines, significantly reducing administrative processing times.

Project Assistant - Summa Linguae Technologies **Oct 2020 - Dec 2022**

- Led multicultural teams of up to 4 people monitoring the development of data filters for industry-specific review categorization, evaluating and optimizing model accuracy percentages.
- Executed data quality assurance checks and validation protocols to ensure the accuracy of analytical deliverables.
- Developed standardized project-tracking templates, optimizing delivery timelines.
- Designed comprehensive onboarding and data-literacy training materials to facilitate user adoption of internal assets.

EDUCATION AND CERTIFICATIONS

- **MicroMasters® Program in Statistics and Data Science** (In Progress) | *MITx on edX*
  - Focus: Probability, Data Analysis, and Machine Learning algorithms.
- **Google Advanced Data Analytics Professional Certificate** (In Progress) | *Coursera / Google*
  - Focus: Advanced Python programming, statistical analysis, SQL, and data visualization.
- **M.Sc. in Food Science and Technology** (In Progress) | *Universidad Central de Venezuela*
- **B.Sc. in Chemical Engineering** (2018 - 2023) | *Universidad Metropolitana*
- **Undergraduate Coursework in Chemical and Biomolecular Engineering** (2015- 2017) | *Georgia Institute of Technology*

SKILLS

Data & Analytics: Python (Pandas/NumPy), Microsoft Excel + VBA, Google Sheets, Matlab, Statistical Analysis, Data Quality Assurance (QA), Data Cleaning, Data Governance.
Project & Operations: Project Management, Project Tracking, Tools (Trello, Monday, Microsoft Project)
Professional Core: Cross-functional & Multicultural Leadership, Relationship Management, Executive Reporting, Bilingual (English/Spanish).