André Robles Bueckmann

Data science student / Programming enthusiast

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EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey Querétaro, México
Bachelor in Data Science and Math *Expected Graduation, Jun 2027*

- **GPA:** 92.1%
- **Related Coursework:** Data Structures, Algorithms, Object-Oriented Programming, Optimization, Statistics, Databases
- **Languages spoken proeficiently:** Spanish, English, Portuguese.

EXPERIENCE

Technological Solutions Developer June 2024 - Present
DMIC - Más allá de la mecatrónica *Querétaro, México*

- Collaborator of design and implementation of backend solutions, ensuring robust data handling and user experience.
- Developing an inventory management system to monitor stock levels accurately, facilitating resource planning and supply chain management.

Competitive Engineer Assistant July 2023 - December 2023
EXERGIA Racing Team *Quéretaro, México*

- Collaborated in the design and assembly of a competitive off-road vehicle for Baja SAE competitions.
- Helped in the assembly of car's chasis and construction of rack and pinion steering wheel system.
- Attended Baja SAE event on Politécnica de Santa Rosa for competition purposes with a constant stimulating and demanding environment.

PROJECTS

Multivariable Analysis of Patient's Diet | *Excel, Python* January 2024 - February 2024

- Multivariable regression model and ANOVA analysis of nutrients.
- Use of FatSecret database and API services for diet metadata retrieval.
- Leveraged Excel and Python model-training functionalities to analyze a patient's diet, deriving strong health insights; identified the minimal impact of sodium on the overall nutrient profile and the exacerbating effects of fat surplus.

Finance application database management | *Python, SQLite, Flask, Javascript* February 2024 - April 2024

- Managed a local finance web application database with SQLite databases.
- Constructed a responsive web application to display simulations of common stock operations with Python Flask.

CSV-formatted cleaning and preparation invoice reports | *Excel* May 2024

- Performed various operations to restore, clean and prepare data in CSV format for optimal retrieval and further analysis of invoice reports. Focused on overall costs and variable discount applications.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, SQL
Technologies / Frameworks: Git, Excel, Flask, SQLite, Bulma, Matlab

SOFT SKILLS

Problem Solving: Ability to construct solutions that meet the expected requirements, whether it is unknown or familiar challenges.
Rational intelligence: Use of well-understood mathematical numeric methods and heuristic approaches for optimization tasks, supporting robust decision-making.
Intellectual curiosity: Continuous desire of new challenges and diversification of abilities.
Cognitive flexibility: Ability to switch from tasks in ever-changing demanding situations.