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:** Optimization techniques, ML, Statistics, Databases.
- **Languages spoken fluently:** Spanish, English, Portuguese.

EXPERIENCE

CBETIS Instructor   August 2024 - Present
Industrial and Services Technological High School Center   *Quéretaro, México*
- Weekend math and entrepeneurhip instructor for high school students at CBETIS 118.
- Math teaching ranging basic algebra, problem-solving and algebraic notation.
- Business teaching on idea conceptualization, entrepeneurship and leadership essentials.

Excel Solutions Aide   June 2024 - August 2024
ITESM   *Quéretaro, México*
- Creation of Excel visualizations for ITESM study plans using Microsoft Virtual Basics language for Excel Macros.
- Support and tunning on excel file visualizations.

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 Politécnica de Santa Rosa competition as assistant engineer and substitute driver.

PROJECTS

GreenGuard.com.mx | *Tensorflow, OpenVino, Django, Google Cloud*   September 2024
- A hackathon development of a greenhouse purposed website for disease tracking using machine learning.
- Use of tensorflow CNN classification task models leveraging OPENVINO model optimization with quantization and IR for better inference serving on Intel arquitectures.

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.

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.

TECHNICAL SKILLS

Programming Languages: Python, SQL, VBA, R, C++
Technologies / Frameworks: Git, Excel, SQLite, Matlab — Tensorflow — Django, Flask — Tailwind CSS, Bulma CSS

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.