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Carlos A. Bustamante Gaytán

Data Scientist

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TECHNICAL SKILLS

Data Science   TensorFlow, Keras, Scikit Learn, PyTorch, PySpark, Pandas, NumPy

Visualization   Matplotlib, Seaborn, Plotly

Programming   Python, SQL, MATLAB

Cloud Platforms AWS, Azure

EDUCATION

Master of Science in Engineering Sciences   **August 2022 – June 2024**
Tecnológico de Monterrey   *Estado de México, México*

- Developed a neural network-based feedback interface for lab practices, enhancing efficiency with real-time feedback and improved data visualization.

- Published a paper on an educational tool for control courses, improving understanding of data-driven control methods applied to non-linear systems with TensorFlow and Arduino.

Bachelor of Science in Mechatronics Engineering   **August 2017 – December 2021**
Tecnológico de Monterrey   *Estado de México, México*

- Created a webpage to predict volcanic eruptions using machine learning algorithms, providing accurate predictions and a user-friendly interface with Flask.

- Implemented fuzzy control for a Furuta pendulum, demonstrating effective control strategies with MATLAB and 3D CAD software.

WORK EXPERIENCE

Adjunct Professor   **January 2024 – June 2024**
Tecnológico de Monterrey   *Estado de México, México*

- Taught "Design and Development of Applications" at the high school level, introducing students to electronics and programming through the use of electronic components and the micro:bit platform.

- Guided students in applying programming and electronics skills to create functional projects, fostering practical understanding and innovation.

Data Analyst   **February 2020 – June 2022**
Telus International   *Estado de México, México*

- Conducted comprehensive data analysis and trend identification to improve the quality and accuracy of digital maps used globally, enhancing user experience.

- Collaborated with a global team to develop and implement data-driven strategies, improving data quality and cultural relevance in AI projects.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate, issued August 2024.

- Microsoft Certified: Azure Data Scientist Associate, issued July 2024.

- TensorFlow Developer Certificate, issued August 2023.

- Certified Associate in Project Management (CAPM), issued November 2021.