

Carlos Jurado

Bioengineer (Master's in Artificial Intelligence expected) with proven ability in neuromodulation, technical support and machine learning development. Expertise in Python, TensorFlow, and cloud platforms.

Floridablanca, Colombia
engjurado.me
www.linkedin.com/in/engjurado
(+57) 3057758370
eng.jurado@gmail.com

EXPERIENCE

Medtronic, Bucaramanga — *External Support*

FEBRUARY 2023 - PRESENT

- Delivered on-site technical support for neuromodulation procedures, maintaining optimal functionality of neurostimulation equipment.
- Diagnosed and resolved technical malfunctions during clinical procedures, ensuring patient safety.
- Conducted patient and family training on proper medical device operation.
- Collaborated with medical teams to streamline processes and enhance patient care.

Autonomous University of Zacatecas, Remote — *Data Science Intern*

SEPTEMBER 2024 - DECEMBER 2024

- Enhanced mental health analysis models through advanced data preprocessing and feature selection.
- Developed and optimized machine learning models for emotional health pattern identification.
- Designed interactive dashboards for real-time data visualization.
- Collaborated with multidisciplinary teams to uphold technical and clinical standards in AI solutions.

University of Antioquia, Medellín — *Research Student*

SEPTEMBER 2021 - APRIL 2022

- Engineered analog filters and designed PCBs to improve sEMG signal acquisition.
- Optimized hardware to enhance signal quality in biomedical devices.

University of Antioquia, Medellín — *Laboratory Monitor*

NOVEMBER 2021 - MARCH 2022

- Directed laboratory setup, student procedure execution, and inventory management, ensuring optimal experimental efficiency and equipment readiness.

SKILLS

Data Science & AI: Machine Learning, Deep Learning, TensorFlow, Scikit-learn, PyTorch, Keras, NLP (spaCy), Computer Vision (OpenCV).

Data Analysis & Visualization: Pandas, NumPy, SciPy, SQL, Matplotlib, Seaborn, Plotly, Power BI, Tableau.

Software & Web Development: Python, JavaScript, R, Flask, HTML, CSS, Bootstrap, Streamlit.

Tools & Cloud Platforms: Jupyter Notebook, VS Code, Bash, Microsoft Azure, AWS SageMaker, Google Colab, GitHub.

Soft Skills: Problem-solving, critical thinking, analytical mindset, adaptability, teamwork, ethical decision-making, innovation-driven approach.

LANGUAGES

- English: B2.
- Spanish: Native.

EDUCATION

International University of La Rioja, Remote — *Master's in Artificial Intelligence*

MARCH 2024 - PRESENT

Focus on Machine Learning, Deep Learning, Planning and Algorithm Development, Natural Language Processing (NLP) & Computer Vision.

University of Antioquia, Medellín — *Bioengineering*

FEBRUARY 2015 - JUNE 2022

Focus on medical devices, biomechanics, and biomaterials. Skilled in designing and managing health technologies that drive well-being and sustainable development, with a focus on innovation, ethics, and social responsibility.

COURSES

Advanced University Course in Data Analyst for Artificial Intelligence

International University of La Rioja - 2025

Python Programming Course

International University of La Rioja - 2024

Continuing Education Certificate in Leadership

MIU City University Miami - 2024

CERTIFICATES

Microsoft Certified: Azure Fundamentals

Microsoft - 2024

AWARDS

Academic Honors: Recognized for outstanding academic performance during the 2019-20 semester at the University of Antioquia, Medellín, Colombia.

Academic Exchange Program: Participated in an academic exchange program at the University of Veracruz, Mexico, in 2019, gaining international academic experience.