

CARLOS MATEO JURADO DÍAZ

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Dedicated Bioengineer transitioning to the tech sector with a Master's in Artificial Intelligence. Strong background in neuromodulation, medical devices, and healthcare technology, combined with expertise in AI. Proficient in Python, SQL, and cloud technologies, and experienced in problem-solving, leadership, and teamwork. Seeking to leverage healthcare experience and technical skills to drive innovation in AI applications and product development in the technology industry.

SKILLS

- Programming: Python, R, SQL, HTML, CSS, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, OpenCV, spaCy, Matplotlib
- Artificial Intelligence: Machine Learning, Deep Learning, Planning and Algorithm Development, Natural Language Processing (NLP), Computer Vision
- Data Science & Analytics: Data Visualization, Data Manipulation, Statistical Analysis
- Cloud Computing: Azure, Cloud Data, Cloud Networking, Cloud Security, Cloud Services, Cloud Storage, Virtualization
- Medical Devices: Neuromodulation (DBS, SCS), Surgical Assisting, Brain Modulation, Medical Device Design, Deep Brain Modulation (DBS)
- Soft Skills: Problem Solving, Leadership, Time Management, Attention to Detail, Teamwork, Communication

EXPERIENCE

Medtronic, Bucaramanga, Colombia – External Support

FEBRUARY 2023 – PRESENT

- Provided surgical support in neuromodulation procedures (DBS, SCS, TDD, PH), ensuring optimal patient outcomes and safety.
- Programmed neurostimulators to enhance therapeutic outcomes.
- Conducted TDD pump refills, ensuring accuracy and patient safety.
- Provided MRI support, ensuring high-quality imaging and patient comfort.
- Educated patients on neuromodulation therapies, enhancing their understanding and adherence.

University of Antioquia, Medellín, Colombia – Research Student

SEPTEMBER 2021 – APRIL 2022

- Designed and integrated analog filters for sEMG signal acquisition systems, improving signal clarity and system performance.
- Developed PCB layouts to optimize signal integrity and reduce noise in data acquisition systems.

University of Antioquia, Medellín, Colombia – *Laboratory Monitor*

NOVEMBER 2021 – APRIL 2022

- Assisted in laboratory preparation, guided students in lab procedures, and reviewed lab reports.
- Managed lab inventory and ensured smooth execution of experiments.

EDUCATION

International University of La Rioja, Spain – *Master of Science (MS) in Artificial Intelligence*

MARCH 2024 – PRESENT, DISTANCE EDUCATION

International University of La Rioja, Spain – *Graduate Certificate (GCert) in Data Analyst for Artificial Intelligence*

MARCH 2024 – PRESENT, DISTANCE EDUCATION

University of Antioquia, Colombia – *Bachelor of Engineering (BE) in Bioengineering*

FEBRUARY 2015 – JUNE 2022, MEDELLÍN, COLOMBIA

AWARDS

Achieved honors in the 2019-2 semester at the University of Antioquia.

Participated in an academic exchange in 2019 at the University of Veracruz in Mexico.

LANGUAGES

Spanish (Native)

English (B2)

CERTIFICATIONS

Data Analysis Using Python, Cognitive Class – *September 2024*

Python for Data Science, Cognitive Class – *September 2024*

SQL and Relational Databases 101, Cognitive Class – *September 2024*

Continuing Education Certificate in Leadership, MIU City University Miami – *April 2024*

Azure Fundamentals, Microsoft – *March 2024*

GitHub Fundamentals, Microsoft – *March 2024*