

NICOLAS ROJAS

Data scientist / Machine learning engineer / Mathematician / Computer scientist

Bogota, Colombia

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WORK EXPERIENCE

Addi <i>Machine Learning Engineer</i> • Productionalized, scaled and maintained machine learning models that directly impacted business outcomes. • Integrated and leveraged external data sources to feed the machine learning pipelines. • Developed and implemented artificial intelligence solutions that leveraged workflow automation, using MLOps best practices.	Remote / Bogota, Colombia Oct 2024 – Present
Ressolve <i>Machine Learning Engineer</i> • Developer and main maintainer of several natural language processing (NLP) models. • Solved problems including text classification, information obfuscation, named entity recognition and automatic speech recognition. • Used cloud technologies to train and deploy the developed models.	Remote / Bogota, Colombia Jan 2022 – Sep 2024
<i>Machine Learning Intern</i> • Maintained previously existing company software, particularly by searching and finding bugs. • Developed new machine learning products to comply with the requirements given by the clients. • Analyzed data from the deployed models to propose new solutions and tools.	Jul 2021 – Dec 2021
Universidad del Rosario <i>Research Assistant</i> • Provided technical assistance to researchers in the Engineering school. • Implemented software required for the experiments, mainly in python. • Redacted and presented experimentation results for several research projects.	Bogota, Colombia Jan 2019 – Jun 2021
<i>Teaching Assistant</i> • Assisted several courses, including Algorithms and Data Structures, Graph theory, Probability and Statistics. • Provided in-class help for the professors. • Provided additional classes for the students that required them.	Jan 2019 – Jun 2021

EDUCATION

Pontificia Universidad Javeriana <i>Master of Science in Artificial Intelligence</i> • Honors: Magna cum laude honor distinction, Honors thesis distinction, Academic Merit Award for high average, 4.7 / 5.0 GPA • Courses: Machine learning, Deep learning, MLOps, High performance computing • Thesis: Data-driven initialization for neural network models	Bogota, Colombia Jan 2023 – Jun 2024
Universidad del Rosario <i>Bachelor of Science in Applied Mathematics and Computer Science</i> • Honors: Academic Merit Scholarship for high undergraduate average, 4.5 / 5.0 GPA • Courses: Data structures and algorithms, Linear algebra, Probability, Data engineering	Bogota, Colombia Jan 2018 – Dec 2021

LICENSES AND CERTIFICATIONS

TOEFL iBT Issued by <i>ETS</i>	ID: 6987 2122 3928 9807 Dec 2023
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SKILLS, LANGUAGES, INTERESTS

- **Languages:** English (Bilingual proficiency), Spanish (Native speaker)
- **Soft Skills:** Leadership, Team work, Communication, Hard working, Fast learner, Problem solving
- **Programming:** Python, SQL, MATLAB/Octave, Golang, Typst, LaTeX
- **Tools:** Linux, Git, Docker, MLflow, AWS SageMaker
- **Machine learning & Data Science:** Numpy/Scipy, Pandas, Matplotlib, Scikit-learn, PyTorch, TensorFlow, LlamaIndex, LangChain
- **Interests:** Computer vision, Natural language processing, Cybersecurity, Quantum computation