NICOLAS ROJAS

Data scientist / Machine learning engineer / Mathematician / Computer scientist

Bogota, Colombia

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WORK EXPERIENCE

Addi   **Remote / Bogota, Colombia**
Machine Learning Engineer   Oct 2024 – Present
- 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.

Ressolve   **Remote / Bogota, Colombia**
Machine Learning Engineer   Jan 2022 – Sep 2024
- 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.

Machine Learning Intern   Jul 2021 – Dec 2021
- 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.

Universidad del Rosario   **Bogota, Colombia**
Research Assistant   Jan 2019 – Jun 2021
- 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.

Teaching Assistant   Jan 2019 – Jun 2021
- 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.

EDUCATION

Pontificia Universidad Javeriana   **Bogota, Colombia**
Master of Science in Artificial Intelligence   Jan 2023 – Jun 2024
- **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

Universidad del Rosario   **Bogota, Colombia**
Bachelor of Science in Applied Mathematics and Computer Science   Jan 2018 – Dec 2021
- **Honors**: Academic Merit Scholarship for high undergraduate average, 4.5 / 5.0 GPA
- **Courses**: Data structures and algorithms, Linear algebra, Probability, Data engineering

LICENSES AND CERTIFICATIONS

TOEFL iBT   ID: 6987 2122 3928 9807
Issued by *ETS*   Dec 2023

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