

AGUSTIN ARIAS

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 Buenos Aires, Argentina

EXPERIENCE

Machine Learning Engineer | *Python, torch, tensorflow, YOLOv8, DeepLSD* (1yr) Jul. 2023 – Present
iBallistix Buenos Aires, Argentina

- Proficiently trained deep learning models in the field of computer vision, specializing in tasks such as instance segmentation, classification, and pattern recognition.
- Demonstrated expertise in utilizing a diverse range of libraries including YOLOv8, MaskRCNN, and DeepLSD.
- Executed data visualization and annotation processes through the utilization of a premium Labeling tool, such as Labelbox.
- Used common data augmentation tactics in computer vision such as rotation and shearing to increase the training data.

Machine Learning Engineer | *Python, TensorFlow, Keras, Scikit-learn, PyTorch* (1yr 8 mo) Dec. 2021 – Jul. 2023
Vairix - Nearshore Software Development Boutique Montevideo, Uruguay

- Involved in several projects for major US clients including [Seekr](#) and [Cisco](#).
- Achieved a performance level 150% greater than peers, aiding colleagues with methods to boost productivity.
- Developed and deployed machine learning models using TensorFlow and PyTorch, improving data-driven decision-making for clients.
- Employed Scikit-learn for feature engineering and model evaluation, enhancing predictive accuracy and performance.
- Leveraged Keras for rapid prototyping of deep learning models, accelerating development cycles and delivering robust solutions.

ML & Data Science Engineer | *Python, TensorFlow, Keras, Scikit-learn, PyTorch* (1yr 6 mo) Jul. 2020 – Dec. 2021
NextGo - Products and Services on Demand Miami Beach, Florida

- Played a crucial role in a major project providing automation and services to a hospital, utilizing machine learning techniques to enhance service delivery and operational efficiency.
- Addressed critical issues promptly, increasing team productivity by 50%.
- Gained extensive experience with Kafka for event-driven architecture, applying machine learning models for real-time data processing and analysis.
- Strengthened skills in Python and popular machine learning frameworks, including TensorFlow, Keras, Scikit-learn, and PyTorch, to drive data-driven insights and solutions.

ML & Data science intern | *Python, TensorFlow, Keras, Scikit-learn, PyTorch* (1yr 8 mo) Jan. 2018 – Jul. 2020
Zination - Shopify based apps with over 10K customers combined Ontario, Canada

- Developed a custom machine learning model for a Shutterstock API integration in Django, enhancing image selection capabilities in the Catalog Maker and receiving positive client feedback.
- Refactored code in Python and JavaScript, incorporating machine learning libraries to improve code efficiency and performance, resulting in a 30% reduction in page load times.
- Utilized TensorFlow and Scikit-learn to build and optimize predictive models, supporting data-driven decision-making and improving the functionality of client applications.

EDUCATION

An Introduction to Machine Learning Buenos Aires, Argentina
Digital House Mar. 2017 – Aug. 2017

Master's in Mathematics Buenos Aires, Argentina
University of Buenos Aires (UBA) Aug. 2019 – Dec. 2023

TECHNICAL SKILLS

Languages: Python, C++, Bash, Javascript, NodeJS, Typescript.

Databases: MongoDB, MySQL, SQL (PostgreSQL), DynamoDB.

Frameworks & Libraries: TensorFlow, Keras, PyTorch, Scikit-learn, YOLOv8, Detectron2.

Additional Skills: Docker, ElasticSearch, AWS (Amazon Web Services), Kafka, HTML5/CSS3, Shell scripting.

Side skills: OOP, MVC architecture, Microservices, Data structures and Algorithms, Agile Methodologies (SCRUM).