CAREER PROFILE

Machine Learning Engineer with extensive experience in the industry in fields such as autonomous vehicles, video analytics, and manufacturing. Contributor to various Python JAX-related open source projects (Flax, Elegy, Treex), speaker, host of the JAX Global Meetup and the Machine Learning Meetup Medellin.

EXPERIENCES

Senior Software Engineer (Machine Learning)
Quansight
2020 - Present

Currently working as a contributor to the Flax Open Source framework for Deep Learning with the Google Brain team.

Senior Machine Learning Engineer
Snappr Inc, Medellin
2019 - 2020

Developed applications using Machine Learning and Deep Learning to automate tasks throughout the organization such as client sales prediction, demand forecast, photo aesthetics prediction, image clustering, models using GIS data, and more.

Machine Learning Engineer
Landing AI, Medellin
2018 - 2019

Developed Automatic Visual Inspection solutions using Deep Learning techniques for clients in the automotive industry. Developed an internal tool to that enabled training deep learning models with small datasets. Worked on a generative model for images using GANs.

Lead Engineer in Computer Vision
Bigbang Media, CA
6 months

Developed various Deep Learning models for tasks like video classification and event detection in videos using distributed Tensorflow, TPUs, and Dataflow.

Lead Data Scientist
Kiwi Campus, Berkeley
2016 - 2018

Lead Data Scientist and Deep Learning developer for autonomous driving delivery robots. Used Deep Learning techniques like CNNs and RNNs for autonomous control, with technologies such as TensorFlow, ROS, Jupyter, Flask.

Data Scientist
BD Guidance, Medellin
2015 - 2016

Designed the curriculum of various Data Science/ML courses. Investigated technologies such a TensorFlow and OpenCV to run ML algorithms in IoT devices.

Data Scientist
Senseta, Medellin
2014 - 2015

Developed a Linux and Windows python application for HR software to measure employee productivity. Cleaned and analyzed large datasets using Spark and Zeppelin. Created a service in Python for Entity extracting using NLTK. Created a generic ML prediction service using Scikit Learning and Flask

PROJECTS

Main developer of various Python Open Source projects and community leader.

Elegy - A High Level API for Deep Learning in JAX

Treex - A Pytree Module system for Deep Learning in JAX

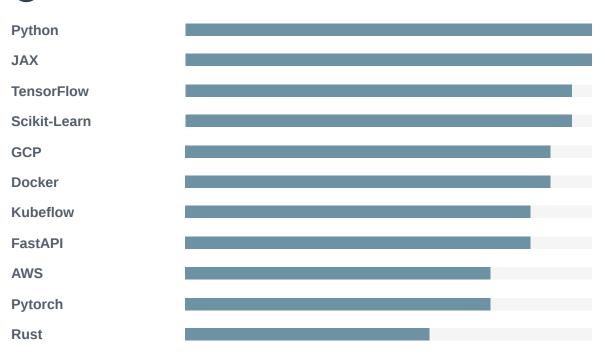**Treeo** - A small library for creating and manipulating custom JAX Pytree classes

Pypeln - Concurrent data pipelines in Python

Machine Learning Meetup Medellin - Organizer (3K+ members)

JAX Global Meetup - Organizer

Machine Learning Colombia Group - Admin (14K+ members)

SKILLS & PROFICIENCY

- **Python**
- **JAX**
- **TensorFlow**
- **Scikit-Learn**
- **GCP**
- **Docker**
- **Kubeflow**
- **FastAPI**
- **AWS**
- **Pytorch**
- **Rust**

Cristian Garcia
Machine Learning Engineer

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EDUCATION

Mathematical Engineering
Universidad EAFIT

LANGUAGES

Spanish (Native)

English (Professional)