



JUAN MANUEL ARAGON ARMAS

Data Scientist and Data Engineer

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Turin, Italy

juanMAragon

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SKILLS

Python Pytorch Keras

Scikit-learn TF-lite SQL

Spark Matlab MongoDB

Hadoop Tableau Excel

PowerBI

Bash Git C Django

Assembly (MIPS) Php

LANGUAGES

Spanish: **Native**

Italian: **C1**

• Celi B2, 2017

English: **C1**

• Toefl C1, 2020

SOFT SKILLS

Time Management

Creativity

Work ethic

Self-learner

MAIN COURSES

Statistics Deep learning

Data visualization

Big Data processing

Data Ethics Graph Theory

Machine learning for IoT

ABOUT ME

I am a 23-year-old international student living in Turin, Italy, where I study an M.Sc. degree in Data Science and Engineering at Politecnico di Torino. Skilled in deep neural networks, data cleaning and building classification and regression models in Python.

EDUCATION

MSc Data Science and Engineering | Politecnico di Torino

October 2020 – present

Turin, Italy

- Language: English
- GPA: 27/30

BSc Software Engineer | Politecnico di Torino

October 2017 – December 2020

Turin, Italy

- Language: Italian
- GPA: 97/110

BSc Software Engineer | Universidad Rafael Landivar

January 2016 – April 2017

Guatemala, Guatemala

- Language: Spanish
- GPA: 92/100

PROJECTS

Edge-Cloud collaborative Inference |

October 2021 – February 2022

- Applied pruning and quantization techniques to predictive models running on edge devices.
- Built a RESTful web architecture for providing support to edge devices and using MQTT protocol for notifications.

Real-time Domain Adaptation in Semantic Segmentation |

March 2021 – July 2021

- Experienced the domain shift effect, predicting segmentation labels for CamVid while training models on IDDA.
- Applied domain adaptation techniques and improved the accuracy with a self-supervised approach generating pseudo-labels.