JUAN MANUEL ARAGON ARMAS

Data Scientist and Data Engineer

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in juanMAragon ⌂ juanMAragon

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

ABOUT ME

I am a 23-year-old international student, born in Guatemala city. Now living in Turin, Italy, where I study an M.Sc. degree in Data Science and Engineer at Politecnico di Torino. In recent years I have been working on projects related to: - Real-time domain adaptation in semantic segmentation for computer vision. - Applying pruning and quantization techniques to predictive models running on edge devices. - Data cleaning and feature extraction for developing regression, classification, and clustering models.

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.

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.