A. Giuliano Mirabella

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22-years-old Biomedical Engineer, CS researcher & Physics student

Education

University of Seville
Biomedical Engineering Degree (best academic record) .... 2016 – 2020
Master's Degree in Software Engineering: Data Science .... from 2020

Spanish Distance Education University
Physics Degree .... from 2018

Languages & Skills

- *Spanish*: native; *Italian*: native; *English*: advanced (Cambridge C1); *Portuguese*: basic
- Programming in Python, R, Java, MATLAB, C, etc... Experience with HTML, JS, Linux-based OS
- Specialized in images processing with Python: numpy, scikit-image, scipy.ndimage, etc..

Relevant Works

- Deep Learning-Based Prediction of Test InputValidity for RESTful APIs
- AI and Digital Images Processing Techniques in Melanoma Detection
- Sternum Bone Marrow Segmentation
- Review4You: social network for Harvard CS50W's course on web programming with Python and JS
- Topological Analysis of n-dimensional Images

Professional Experience

- **University of Seville**
  - Graduate Research Assistant @ *Computer Languages and Systems Department* .... from 2020
  - Undergraduate Research Assistant @ *Applied Mathematics Department* 2019

- **Personal Tutor**
  - OOP in Java, Algorithms & Data Structures, Electronics, Applied Mathematichs .... 2016 - 2018

Additional Information

- Big fond of music; I play the piano, ukulele, and classic and electric guitar
- Passionate science books reader
- "Introduction to Neuroimaging Computation Techniques" course, by *Brain Dynamics SL*
- Graduated in high school with honors

Yet More Additional Info

Despite having always been driven by medicine, when I began Bioengineering I discovered the formal knowledge – pure maths and philosophy – inspired me much more than the tangible one, so much so that I just felt bound to enroll in Physics: I wanted to learn fluent *universe*.

Some time afterwards I met Artificial Intelligence, which combines the best of both worlds: the theoretical mathematical-modelling challenge, and the encouraging potential to enhance healthcare, by improving diseases detection and treatment.

Since I began my journey at University of Serville as a researcher, I have dreamt of a day when I could devote my time to developing medical and bioinformatics technologies that could drastically impact millions of peoples' lives.