



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

- [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](#) in Python
- Some toy [automation apps](#)

Professional Experience

• University of Seville

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

• Personal Tutor 2016 - 2018

- Object-oriented programming in Java, Algorithms & Data Structures in Java, Electronics
- Applied Mathematics, to economics students

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 Information

When I began Bioengineering, I soon discovered a special liking for pure maths and philosophy. I found the formal knowledge inspired me much more than the tangible one, so much so that I just felt bound to enroll in Physics.

Fortunately enough, some time afterwards I met Artificial Intelligence, which combines the best of both worlds: the complex problems-modelling mathematical challenge, and the practical power of enhancing human being healthcare, which I strongly feel driven by.

Since I began my journey at University of Seville 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.