A. Giuliano Mirabella

+34 611150324
amirabella@us.es
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

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 complex and formal problems-modelling mathematical challenge, and the powerful potential of enhancing healthcare tools 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.