

# Felipe Torres Figueroa

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## Education

**École Centrale Marseille**  
*PhD in Applied Mathematics*  
Expected: October 2023  
Advisor: Ronan Sicre  
**Universidad de los Andes**  
*M.S. in Biomedical Engineering*  
October 2020  
Advisor: Pablo Arbeláez  
**Universidad de los Andes**  
*B.E. in Biomedical Engineering*  
March 2018

## Experience

**PhD Student** École Centrale Marseille  
Marseille, France  
October 2020 - Until Date  
PhD thesis in neural networks interpretable recognizing.

**Research Assistant** Universidad de los Andes  
Bogotá, Colombia  
January 2018- March 2020  
I was a lead on the project on Bone Age Assessment, I developed the method alongside my peers, we also contributed on the writing of the listed papers.

**Undergraduate Research Assistant** Universidad de los Andes  
Bogotá, Colombia  
January 2016-December 2017  
This was the initial phase of the project on Bone Age Assessment, I was on charge of finding funding for the project and developing the first approaches.

## Select Conference Publications

1. A. Ospina, F. Torres. Countor: Count without bells and whistles. Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops. 2020.
2. M. C. Escobar, C. I. González, F. Torres, L. Daza, G. Triana, P. Arbeláez. Hand Pose Estimation for Pediatric Bone Age Assessment. International Conference on Medical Image Computing and Computer-Assisted Intervention (MICCAI). 2019.
3. F. Torres, C. I. González, M. C. Escobar, L. Daza, G. Triana, P. Arbeláez. An Empirical Study on Global Bone Age Assessment. 15<sup>th</sup> International Conference on Medical Information Processing and Analysis (SIPAIM). 2019.
4. A. Suarez, F. Torres, L. Bocanegra, D. Garcia, J.C. Cruz, C. Muñoz. Paracrine Response of MSCs on 3d SIS Scaffolds: Assessment By a Wound Healing Assay. 8<sup>th</sup> International Conference on Bioengineering and Nanotechnology. 2019.

## Skills

**Operating Systems** Linux, Windows.  
**Programming Languages:** Python, R, Bash, Matlab, HTML, Java, CSS.  
**Machine Learning Frameworks:** Pytorch, Tensorflow, Caffe, Matconvnet.

## Languages

**Spanish** Native speaker.  
**English** Read, Write, Talk. B2 vantage.  
**French** Basic level.