

## Felipe Torres Figueroa

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| <b>Education</b>               | <b>Universidad de los Andes</b><br><i>M.S. in Biomedical Engineering</i><br>Expected: October 2020<br>Advisor: Pablo Arbeláez<br><b>Universidad de los Andes</b><br><i>B.E. in Biomedical Engineering</i><br>March 2018  |
| <b>Experience</b>              | <b>Research Assistant</b> Universidad de los Andes<br>January 2018- March 2020 Bogotá, Colombia<br>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.<br><br><b>Undergraduate Research Assistant</b> Universidad de los Andes<br>January 2016-December 2017 Bogotá, Colombia<br>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.   |
| <b>Conference Publications</b> | <ol style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li><li>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.</li><li>5. F. Torres, M.A. Bravo, E. Salinas, G. Triana, P. Arbeláez. Bone age detection via carpogram analysis using convolutional neural networks. 13<sup>th</sup> International Conference on Medical Information Processing and Analysis (SIPAIM). 2017. DOI: 10.1117/12.2285949</li><li>6. D. Mejía, W. Bracamonte, F. Torres, P. Arbeláez. Fast determination of bone age and maximum height through carpogram automatic analysis. VIII Seminario Internacional de Ingeniería Biomédica (SIB). 2016</li></ol> |
| <b>Skills</b>                  | <b>Operating Systems</b> Linux, Windows.<br><b>Programming Languages:</b> Python, R, Bash, Matlab, HTML, Java, CSS.<br><b>Machine Learning Frameworks:</b> Pytorch, Tensorflow, Caffe, Matconvnet.   |
| <b>Languages</b>               | <b>Spanish</b> Native speaker.<br><b>English</b> Read, Write, Talk. B2 vantage.<br><b>French</b> Basic level.  |