Felipe Torres Figueroa

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Education

Universidad de los Andes
M.S. in Biomedical Engineering
Expected: March 2020
Advisor: Pablo Arbeláez

Universidad de los Andes
B.E. in Biomedical Engineering
March 2018

Experience

Research Assistant Universidad de los Andes
January 2018-Present Bogotá, Colombia
I was on charge of 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
January 2016-December 2017 Bogotá, Colombia
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.

Conference Publications

1. 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.
2. A. Suarez, F. Torres, L. Bocanegra, D. Garcia, J.C. Cruz, C. Muoz. Paracrine Response of MSCs on 3d SIS Scaffolds: Assessment By a Wound Healing Assay. 8^{th} International Conference on Bioengineering and Nanotechnology. 2019.
3. F. Torres, M.A. Bravo, E. Salinas, G Triana, P. Arbeláez. Bone age detection via carpogram analysis using convolutional neural networks. 13^{th} International Conference on Medical Information Processing and Analysis (SIPAIM). 2017. DOI: 10.1117/12.2285949
4. D. Meja, 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

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 School level