

Sergio Sánchez Ramírez

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*Telecommunications and Computer Engineering student with experience
in Parallel Computing and Digital Signal Processing.*

Experience

- feb/2018–
now **Research intern**, *Cirrus Logic*.
Research on voice verification. Contact: Carlos Vaquero (carlos.vaquero@cirrus.com).
- sep/2016–
jun/2017 **Engineer intern**, *CITSEM-UPM*.
Implementation of a Probabilistic Multiclass Support Vector Machine (SVM) on the NVIDIA Jetson TX1 platform for the HELiCoiD (HypErspectral Imaging Cancer Detection) project. Contact: Eduardo Juárez (eduardo.juarez@upm.es) and Rubén Salvador (ruben.salvador@upm.es).
- sep/2016–
may/2017 **President**, *Association of Audio Engineering Students*.
Financial administration and logistic organization of the association.
- mar/2017 **Co-founder**, *Quintas association*.
First transversal association of the university founded by the music associations of the Engineering schools of Telecommunications, Telecommunications Systems, Aerospace and Port, Canals and Roads.
- sep/2016–
may/2017 **Librarian**, *CMU Chaminade*.
- sep/2015–
may/2017 **Sound technician**, *CMU Chaminade*.
Sonorization and organization of different events such as circus shows, rock festivals and acoustic concerts.

Education

- jun/2017 **Programming and tUning Massively Parallel Systems (PUMPS)**, *BSC-UPC and University of Illinois at Urbana-Champaign*.
International *summer school* about GPU computing with lectures from experts in the field and labs with use cases. Directed by the professors Wen-mei Hwu (*University of Illinois*) and Mateo Valero (*Barcelona Supercomputing Centre – UPC*).
- 2013–now **BSc Degree in Sound and Image Engineering**, *Technical University of Madrid (UPM)*.
Just about to finish my thesis.
- 2015–now **BSc Degree in Informatic Engineering**, *National Distance Learning University (UNED)*.

Courses

- Seminar Git: Basic Principles and Use, given by Dr. Karol Desnos from INSA-Rennes
- Seminar Hyper Spectral for Image Processing, given by Dra. Lucana Santos from ULPGC
- Seminar Acoustic Engineering, given by I2A2-UPM
- Seminar Tips and Advices in MATLAB and Simulink, given by Mathworks España
- Workshop Voice Processing, given by DTSC-UPM

Knowledge

- Programming C, C++, CUDA, LaTeX, Python, Matlab, Go, Swift and Java.
- Others Machine Learning, Electronic Design Automation, Embedded Systems, Parallel Computing, Digital Signal Processing, Digital Image Processing, Voice Processing, Audio and Video Coding, Git and UNIX-based Systems Administration
- Languages Spanish (Native), English (C1) and Euskera (Basic).