

**Daniel Cantero**

Audio-Visual Engineer
Digital Luthier | Sonologist | Sound Designer

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Academic training
Professional experience
Tools - Patents
Further information

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UNFOLD / FOLD | complete CV

CURRENT POSITION

During the last few years I have worked as an Engineer and Developer creating control tools for live performance (hardware and software) for the company [Digital Luthier](#). This includes work on visual and sound design projects.

In addition, I have created the Master course '[Live Electronic and Acoustic music production](#)' for the same company Digital Luthier where I worked as a teacher as well as managing the Master content as a [Certified Trainer of Ableton](#).

As a sound designer, I have also made audio-visual productions working for top companies while producing and postproducing for musicians and bands.

As a technician and engineer, I have comprehensive knowledge of acoustics, electronics and computing, as well as a high level of technical training as an installer of visual and sound equipment and studio maintenance. I have also worked as specialist with solder, electronic boards and laboratory devices.

I am willing to travel and I am able to work online as a freelance sound engineer due to my personal ownership of an audio-visual pre and postproduction studio.

- PROFESSIONAL EXPERIENCE

UNFOLD / FOLD | Professional Experience

2013 Master teacher and manager: Live Electronic and Acoustic Music Production

Digital Luthier, Escuela CICE

- info

 **Ableton Certified Trainer**

Working as a Master Course teacher at [CICE](#), I have taught lessons on engineering, computing, musical composition, acoustics and electronics as well as imparting previously gathered knowledge about the current tools used in intuitive and creative music production methods. Previous training courses I have delivered, have been for beginners, advanced levels and professionals from the Audio-Visual sector.

Recently, I created the Master Course '[Live Electronic and Acoustic music production](#)' for the company Digital Luthier which combines all necessary information for the creation of quality music production from start to finish. With this knowledge, professionals in the music industry are able to use the latest generation of tools and techniques to deliver an excellent final product.

Module 1. Introduction

Aims and objectives of the course
Students and teacher introduction
Student motivation and needs analysis
Live demonstration showing what you can achieve

Module 2. Audio and Music Concepts

- + Auditory system and sound perception
- + Physical principles of electroacoustic
- + Digital Luthier HomeStudio 2.0
- + Advanced Computing
- + Synthesis
- + Evolution of electronic music styles from the 80's
- + Music Theory
- + Musical Instrument Digital Interface M.I.D.I / Open Sound Control O.S.C.
- + Physical Control vs. Touch Control

Module 3. Recording, editing, mixing and mastering

- + Recording
- + Audio Sampling (Software)
- + Audio Sampling (Hardware)
- + Recording audio from Live 9 to Logic, Cubase and Protools. Bouncing to disk
- + Dynamic, time and frequency processing with Ableton Live
- + Mix and Premix
- + Automation "on time and off time"
- + Stereo and Mono bounce. Mastering
- + Mastering, partial edition and equalisation
- + Mastering, colouring and boosting
- + Mastering, compression and expansion by parts
- + Mastering. Middle / Side (MS)
- + Mastering. Analog vs. Digital
- + Adapting formats depending on the media type

Module 4. Live music

- + Workflow
- + MIDI clip as preproduction tool
- + Integrating video in Ableton Live 9
- + Modern and contemporary DJing
- + Ableton Live 9 Suite edition | Ableton Push
- + Liine LEMUR running in iPad and Android
- + Reactable Live!
- + Ableton Live 9. Max for Live 6

Module 5. Final project

- + Creating a musical track in Live 9
- + Creating a remix of musical tracks in Live 9
- + Configuring of Live 9 for Live

2012 **Co-founder, Engineer and C.E.O. in Digital Luthier**

Digital Luthier

- info

I am working for the company [Digital Luthier](#) as an engineer and developer of prototypes and other equipment and control systems customized for clients. In addition, I have worked managing

agreements and contracts, developing the customer portfolio, and offering contact and support between the engineering team and the clients. I have also been involved in research, development and the technical management of projects.

2010 **Audio-visual performances and presentations**

Audiometrage

- info

My skills include, production, choreography and the management of audio-visual performances. In addition to this, I have designed audio-visual sets from the engineering stage through implementation and the stage performance of the hardware and software prototype devices. Furthermore, I am adept at handling other equipment that requires advanced technical and musical experience. I have worked for clients such as:

- Telefónica | Movistar
- Huawei
- Android
- O2

... among others

Several performances at audio-visual festivals such as:

- Timegate (Switzerland)
- REC (Madrid)
- Mobile World Congress (Barcelona)
- Inaudito (Logroño)
- Circulo de Bellas Artes (Madrid)
- Teatro Reina Sofia (Madrid)

... among others



For further information about gigs and performances with Audiometrage please click on the follow link: www.audiometrage.com

2008 **Hardware and Software prototype engineer**

Digital Luthier

- info

Since the year 2008, I have researched and developed several tools for the control of the hardware in order to control domotic systems as well as the restoration and updating of other control systems. The following pieces of equipment created are examples of the tools mentioned above.





Programming and design of mobile applications for audio, video and domotic that allow the control of Digital Luthier hardware equipment and many other tools.



I have developed native applications and several plugin tools to create the composition of and focus on the live performance.



For further information about the products that the company Digital Luthier offer please click on the following link: www.digitalluthier.com

2005 **Recording Engineer. Audio-Visual productions**

Fetish Records

- info

Producing Audio-Visual material for groups, companies and private individuals adapted to new media, allowing professionals the mastery of recording, editing, post-production and the audio-visual material right up to final delivery.

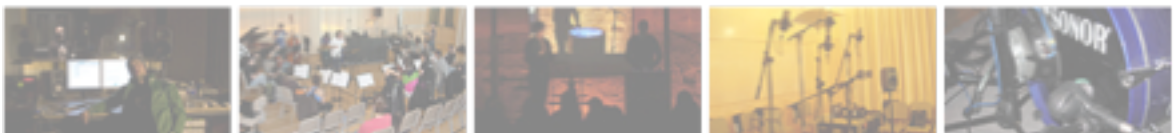
I deal with product optimization for multimedia environments, broadcasting and the Internet along with providing special limited edition records of 7, 10 and 12 inches for customers that require this type of format. We are a pioneer company offering this exclusive service.

I have created tracks of several kinds of music and video genres in the acoustic and electronic music fields for artists and musicians. I have also supported them in reaching their goals.

Uses of software and hardware tools in advanced levels include:

- Avid | ProTools
- Avid | Media composer
- Ableton | Live
- Apple | Logic
- Apple | Final Cut
- Steinberg | Wavelab

... among others



Recordings and special masters in 7", 10" and 12" records.

Although demand for vinyl is relatively low, from a specialised group there is strong demand for this kind of format. Therefore, the company decided to begin to commercialise vinyl record masters.

Since specific recorders for this outdated medium are no longer available, the company was forced to acquire out and sometimes obsolete equipment in order to restore this format. This gave me the opportunity to deal with the Swiss company Vinylium GmbH, on the restoration project of the obsolete recording equipment, which had to be totally updated mechanically as well as electronically with high quality components. The design for updates is based on programmable logic controllers and actuators by means of voltage control.

For more than 2 years, I have been recording with it. This has helped me to acquire skills in the analog recording and processing field.

The recording equipment shown in these pictures is a professional recording lathe that I have designed and restored using the latest technology in electronic circuitry with high quality components in order to obtain the best results.



2001 **Qualified Telecommunication Technician**

Multisat

- info

As an installer approved by the Spanish Ministry of Industry, I worked as a Qualified Technician allocated for the encouragement of new [Broadcast](#) technologies, such as the introduction of the [Digital Terrestrial Television \(TDT\)](#) in the Community of Madrid. I also worked in the development of telecommunication projects and electrical reports according to the [Requirements for Electrical Installations](#) standard, working for clients such as:

- [Comisión Nacional de la Energía \(CNE\)](#) (Spanish National Commission for the Energy Sector)
- [Spanish Ministry of Economy \(Spanish Treasury\)](#)
- [Embassy of Japan in Spain](#)
- [Video Report, S.A.](#)
- [Orizon Premiere, S.A.](#)
- [Marca Sports Café, S.A.](#)

among many other companies in the audio-visual sector.

My skills include, installation repair and maintenance of [audio and video](#) equipment in [recording and production studios](#) as well as television, [radio stations](#) and mobile studios.

I have been involved in the introduction of pilot installations of cable television and [Cable](#) data systems in the Community of Madrid. Installation of parabolic antennas that allow data [transmission by satellite](#) mainly for companies and authorized dealers as well as the installation of sound systems.

Other duties included installation, repair and maintenance of [satellite](#) and [terrestrial TV systems](#). installation, repair and maintenance of private and community networks.

- **ACADEMIC TRAINING**

2010 **Postgraduate Course in Interactive Musical Design Systems**

[UPF - Music Technology Group](#)
Pompeu Fabra University (Barcelona)

2009 **Postgraduate Course in Production, Musical Technology and Techniques**

[ESMUC](#)
Escuela Superior de Música de Cataluña (Graduate School of Music of Catalonia)

2006 **Telecommunication Engineering. Specialised in Sound and Image**

[UAX](#)
Alfonso X El Sabio University - Madrid

2004 ***Advanced Course in Management. Business organisation and planning***

[IFE](#)

Instituto de Formación Empresarial (IFE) (Business Education Institute) -Madrid

2002 ***Official Approval by the Ministry of Industry***

[Spanish Ministry of Industry](#)

Authorized Installer of Low Voltage Systems. Category: Specialist

1993 ***Electronics. Electrical maintenance***

Moratalaz High School - Madrid

Complementary knowledge

Other Courses and Seminars include

[+ info](#)

- TOOLS / PATENTS

UNFOLD / FOLD | Tools/Patents

Production and Post-production Studio

Freelance

- info

Personal studio acoustically treated and equipped with the following appliances:

- Apple MacPro 2.8 GHz Quad Core Intel Xeon 8 GB 4TB
- ProTools HD 96 I/O
- Motu Ultralite MKII Firewire
- Near field speakers Gelelec 8020B
- Sennheiser HD-650
- Access Virus TI Desktop
- Clavia Nord Lead 2X
- Elektron Machinedrum
- Maschine Hardware & Software
- Archetype202
- Reactable Live (Limited edition)
- Westec 3000 (SSL replica) Digital Luthier edition
- DK audio 550 meter
- Digital Luthier Digipatch
- Digital Luthier masterKontrol
- Ableton Push

- Avid | ProTools
- Avid | Media composer
- Ableton | Live
- Apple | Logic
- Apple | Final Cut
- Steinberg | Wavelab

... among other hardware and software devices

Measuring equipments:

Oscilloscope [Promax OD 400-B](#)
Field strenght meter [Promax TV Explorer](#)
Electrical installation tester [Fluke 1653](#)



Hardware and Software Patents

Patent and Trademark Spanish Office
CAN 0001 Archetype

[+ info](#)

- FURTHER INFORMATION

Driver's licences: A, B
Can provide own transportation
Willing to travel

Spanish (Spain): First language
English: Written and spoken
German: Willing to learn

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