



# Sergio Marchesini

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About me: I am a software developer, musician and composer. I try to mix technology and creativity.

## ● WORK EXPERIENCE

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CURRENT

### MUSICIAN AND COMPOSER

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I write and perform music for live acts, theatre, dance, interactive installations, commercials and film. My film soundtracks have premiered at Locarno and Venice Film Festivals, on main European channels and platforms, including Netflix, Arte, RaiTV.

Some of my music has been commissioned by companies and institutions like Electrolux, Montura, Querini-Stampalia Foundation, Teatro Stabile del Veneto.

I love theatre and have been writing music or performing it live in different occasions with brilliant actors, writers and directors like Mirko Artuso, Marco Baliani, Giuseppe Battiston, Massimo Carlotto, Massimo Cirri, Vasco Mirandola, Giuliana Musso, Andrea Pennacchi, Giancarlo Previati, Stefano Scandaletti.

2021 – 2021 – Venice, Italy

### RESEARCH DATA SCIENTIST – UNIVERSITY OF VENICE

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Conducting a data research for the Marketing Dpt of Ca'Fascori University

2017 – CURRENT – Padova, Italy

### CREATIVE DEVELOPER – D20 ARTLAB

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<https://d20artlab.com/> Born as a University spinoff, D20 aims at leveraging the language of contemporary art and creative technology for better brand and institutional communications. We make art installations and physical computing experiments for public spaces, museums, showrooms. My role is in product concept, brainstorming with clients, evaluating feasibility, and technical delivery.

2019 – 2020 – Padova, Italy

### WEB APPLICATION DEVELOPER – UQIDO

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Web development: Node, Rails, PHP

2014 – 2018 – Padova, Italy

### CTO – TRIBOOM.COM

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I co-created, developed and maintained Triboom, an online crowdfunding platform for sport communities

2002 – 2013 – Padova, Italy

### CONTRACT PROFESSOR – UNIVERSITY OF PADUA

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I have been teaching two New Media courses at the Master in Journalism, University of Padua, Italy. I worked with my students trying to spot trends in the media industry, foresee changes and try to imagine how journalism was changing in the new media landscape. I also addressed technical skills required for a career in digital journalism: web development, audio and video editing, ecc.

2007 – 2014 – Padova, Italy

### WEB APPLICATION DEVELOPER – HCE

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I worked on developing and maintaining a proprietary php HMVC framework, adding new features, coordinating releases, creating plugins. The framework I co-developed with my colleagues at HCE has been used for years in production environments, including heavy traffic e-commerce sites.  
Also Symfony based development.

2002 – 2008 – Vicenza, Italy

**WEB APPLICATION DEVELOPER – E-SIDE**

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Full stack web development.

2000 – 2001 – Milan

**COST ANALYST / SAP DEVELOPER – PIRELLI INFORMATICA**

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Product Costing, SAP development

● **EDUCATION AND TRAINING**

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**DEGREE IN BUSINESS ADMINISTRATION – Ca' Foscari University of Venice, Venice**

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2000

**MASTER IN PROCESS ENGINEERING – Alta Scuola Politecnica di Milano, Milan.** On a scholarship from Piero Pirelli Institute, Milan.

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2016 – 2016

**MACHINE LEARNING FOR MUSICIANS AND ARTISTS – Goldsmiths, University of London, London (United Kingdom)**

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Hands-on proficiency applying machine learning for creating real-time interactions Computational processes in machine learning Practical and aesthetic considerations in applying machine learning to artistic problems.

2013

**CREATIVE PROGRAMMING FOR DIGITAL MEDIA & MOBILE APPS, 100% WITH DISTINCTION – U**niversity of London International Programmes, London

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2011

**MACHINE LEARNING – Stanford On Line**

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2011

**INTRODUCTION TO ARTIFICIAL INTELLIGENCE – Stanford On Line**

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## ● LANGUAGE SKILLS

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Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C2	C1	C1	B2
<b>SPANISH</b>	B2	C1	B2	B2	B1
<b>GERMAN</b>	B1	B2	B1	B1	B1
<b>FRENCH</b>	B1	B2	A2	A2	A1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● DIGITAL SKILLS

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### Physical Computing / Edge Computing

Microprocessors Arduino Cypress Raspberry Pi

### Web Dev Full Stack

Vue.js | Databases (MongoDB MySQL MariaDB PostgreSQL) | CMS: Wordpress, Magento, Joomla | Web Development HTML 5 CSS JavaScript | Magento | php | Typescript ( NodeJs ) | React/Redux

### Ai / Machine Learning / Data Science

Streamlit | Audio Production | Python libraries (NumPy Pandas Keras SciKit-Learn TensorFlow Matplotlib Seaborn) | Machine Learning and Deep Learning frameworks: Tensorflow, Keras, PyTorch

### Multimedia / Creative Coding

Processing (Java) | MLJS | P5JS

## ● CONFERENCES AND SEMINARS

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2021 – School for Documentary Cinema

**Music, Truth and Conversation: the role of music in documentary cinema**

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● **CREATIVE WORKS**

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**Film Soundtracks:**

2022

**PO**

Andrea Segre e Gianantonio Stella

**Il tempo rimasto**

Daniele Gaglianone

2021:

**The greatest singer in the world**

Giuliana Muscio

**Falene**

Raffaella Rivi

2020:

**Un giorno la notte**

Michele Aiello

**Passi verso l'altrove**

Marco Zuin

2019:

**il pianeta in mare**

di Andrea Segre

Venezia 2017

**Foodie Love (HBO) (alcuni brani non l'intera colonna)**

Di Isabel Coixet

2017:

**l'ordine delle cose**

di Andrea Segre

Venezia 2017

**niente sta scritto**

di Marco Zuin

2015:

**la sedia di cartone**

di Marco Zuin

Premio miglior corto documentario al CineChildren International Film Festival di Ostiglia (Mantova)

Premio Miglior Film al Siloe Film Festival

Premio Miglior Film al Gargano Film Festival Provo Corto

Primo premio al Festival Inclús di Barcellona

Premio Touring Club al Festival "Marcellino de Baggis" di Taranto

2° premio sezione tema sociale al Catone Film Festival

Premio "Nassino" al Festival Internazionale del cinema Povero

Menzione Speciale della Giuria di qualità a L'Anello debole - Capodarco l'Altro festival

Menzione speciale della Giuria al Taranto in short

**i sogni del lago salato**

di Andrea Segre

Locarno 2016

Venezia 2016

2014:

**come il peso dell'acqua**

di Andrea Segre, Stefano Liberti, Giuseppe Battiston, Marco Paolini (2014)  
Rai Cinema

### **daily Lydia**

di Marco Zuin

Premio Pesaro DocFest 2015

Premio "Sorriso nell'infanzia" al Festival Tulipani di Seta Nera (Roma)

Primo premio al Food Film Fest di Bergamo

Menzione speciale al Sardinia Film Festival – Premio Villanova Monteleone (Sassari)

2013

### **la prima neve**

di Andrea Segre

70<sup>a</sup> Mostra Internazionale d'arte cinematografica di Venezia

La Biennale di Venezia 2013. Orizzonti – Concorso

Grand Prix e Premio del Pubblico al Festival Internazionale di Annecy 2013

### **me, we**

di Marco Zuin

Premio Veneto Movie Movement all'Euganea Film Festival 2014

Selezione al Fiuggi Film Festival 2014

Selezione al Social World Film Festival 2014 a Vico Equense (Napoli)

2012

### **non è mai colpa di nessuno**

di Andrea Prandstraller

### **mare chiuso**

di Stefano Liberti e Andrea Segre

69<sup>a</sup> Mostra Internazionale del Cinema di Venezia – Proiezione speciale

Bari International Film Festival – Premio De Seta

Premio Libero Bizzarri – Miglior documentario

Maiori Film Festival – Premio Rossellini

2010

### **il sangue verde**

di Andrea Segre

Vincitore del premio selezione Cinema.Doc alle Giornate degli Autori – 67<sup>a</sup> Mostra del Cinema di Venezia

Premio del pubblico al The Village Doc Festival 2010

2009

### **magari le cose cambiano**

di Andrea Segre (2009)

Premio UCCA

Premio 20Città

Premio Avanti! al 27° TorinoFilmFestival

Primo Premio al concorso Docucity

2007

### **la mal'ombra**

di Andrea Segre e Francesco Cressati (2007)

Premio Avanti! al 25° TorinoFilmFestival

<https://www.youtube.com/watch?v=X9HoGqYVK7I&t=475s>

2019

### **Electrolux Soundlines**

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Factory sonification and video for Electrolux:music for assembly line and bass clarinet.

We sampled every single machine on the assembly line of the Electrolux factory and recorder Francesco Ganassin performing in different areas of the factory.

I then recomposed the samples into three movements.

The music was then set as a soundtrack to [Raffaella Rivi's](#) video.

<https://vimeo.com/365751078>

## A Journey into Montura's World

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Soundtrack for corporate identity video.  
<https://www.youtube.com/watch?v=sp9O6HGuHlc>

01/10/2021 – 01/11/2021

### Obeya Dance Hall / Electrolux

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A participative dance workshop inside Electrolux new Factory-3.0 Plant. A coreographer, 4 professional dancers, and a brave team of Electrolux personnel from all company areas, including the Plant Manager. A team accomplishment and a chance to expand the company collective identity. Imagined and created by [D20 ArtLab](#), see [here](#) for more pics, info and credits. Video by [Raffaella Rivi](#). Music by me

<https://sergiomarchesini.it/new-music-for-electrolux-obeya-dance-hall/>

## ● VOLUNTEERING

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### Volunteering experience in Lapland, Tanzania, Armenia, Peru, India, Nepal

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## ● ART INSTALLATIONS / INTERACTIVE INSTALLATIONS

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### Lux Mundi

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A sculpture of ceramic, sound and light inspired by Platonic Solids, built with and for [StylNove](#). Featured at Salone del Mobile – Milano. My role: concept, android development.  
[https://d20artlab.com/wp-content/uploads/2019/01/IMG\\_20190401\\_195134\\_410.jpg](https://d20artlab.com/wp-content/uploads/2019/01/IMG_20190401_195134_410.jpg)

### Deus ex fabrica

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Turning an industrial archeology site into a giant musical instrument, including transforming the building facade into a led wall and building an automated and OSC-controlled music box. All remotely controllable.

My role: concept, software infrastructure.  
<https://www.youtube.com/watch?v=oFL-Kk83To>

### Moving Forward

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A multimedia installation for Lotto Sport. My role: initial concept, hardware and coding, Syncing two Raspberry Pi's video players to a rotary handle, coded using OpenFrameworks and Python.  
[https://sergiomarchesini.it/wp-content/uploads/2019/08/17595950\\_309575819458551\\_5976157455753674752\\_n-819x1024.jpg](https://sergiomarchesini.it/wp-content/uploads/2019/08/17595950_309575819458551_5976157455753674752_n-819x1024.jpg)

### Space Poser

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Commissioned by Ca' Foscari University, Venice. Turning Ca' Foscari's historical venetian palace into a pixel wall and letting users control the pixels and generate sound with body motion. My role: concept, gesture recognition with neural networks using Pose Net

<https://sergiomarchesini.it/wp-content/uploads/2019/08/ca-foscari4-1024x683.jpg>

## La Naf Spazial

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Commissioned by Ca'Foscari University, Venice.  
A sonification of historical data series.  
My role: composition and sound design

01/06/2021 – 01/07/2021

### **Time reflections @ Villa Sandi**

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An audio visual installation by D20ArtLab for Villa Sandi.  
Video and mapping by Raffaella Rivi.  
Sound design by Sergio Marchesini.  
<https://sergiomarchesini.it/portfolio/time-reflections/>