



Adriano Farina

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WORK EXPERIENCE

Co-Founder

E-MUSE SRLS [11/2022 – Current]

City: Parma

Country: Italy

Main developer, responsible for the digitalization of 3D objects and the creation of immersive experiences, from webXR sites to native applications.

Acoustical engineer

Fundació Bosch i Gimpera [16/01/2020 – 16/01/2021]

City: Barcelona

Country: Spain

Performing acoustical measurements in rock art sites around the world. Development and execution of a software workflow capable of processing acoustical parameters from the impulse responses. Capture and processing of site photogrammetry for Virtual Reality reproduction, including the use of drones and the development of the playback software.

Acoustical engineer

Fundació Bosch i Gimpera [31/07/2019 – 31/08/2019]

City: Barcelona

Country: Spain

Acoustical measurements in rock art sites in the Altai Republic, Siberia, Russia.

Bioinformatics Programmer

Barilla [07/2018 – 10/2018]

Address: Parma (Italy)

Designing and implementing a portable data processing workflow for the elaboration, processing and identification of genetic material

Underwater Acoustics Technician

MarHe Center [02/2018 – 03/2018]

Address: (Maldives)

Handling and operation of arrays of underwater cameras and microphones, for recording immersive virtual reality audiovisual data employed for the analysis of the effect of pressure and velocity on the sea fauna. Calibration of said equipment, processing of audiovisual data.

Virtual Reality Cinematographer

Verdi Festival - Teatro Regio [09/2017 – 12/2017]

Address: Parma (Italy)

Recording and editing spatial audio and 360 video for the creation of VR experiences. Demo of the result to the general public, with connected multilingual explanations.

Bioinformatics Programmer

Barilla [07/2016 – 01/2017]

Address: Parma (Italy)

Implementation of a simple textual workflow for the handling of the genetic data produced by an industrial sequencer.

Virtual Reality Cinematographer

Festival Verdi - Teatro Regio [09/2016 – 12/2016]

Address: Parma (Italy)

Recording, processing, editing and distributing 360 video and spatial audio.

3D printing technician

University of Parma [03/2015 – 09/2015]

Address: Italy (Italy)

Design, 3D modeling, 3D printing, assembly and testing of a 360 camera array, with development of the related software workflow.

GIS surveyor and technician

AIDA srl [06/2012 – 09/2012]

Address: Parma (Italy)

Off-road surveying of potential acoustic receivers as part of an environmental impact study related to the projected construction of an wind power plant.

EDUCATION AND TRAINING

Music and Acoustics Engineering

Politecnico di Milano [09/2021 – Current]

Address: (Italy)

Corso di alta formazione: "I Mestieri del Cinema Documentario - Cinema Documentario e Sperimentale"

Cineteca di Bologna [09/2020 – 09/2021]

Address: Parma (Italy)

Field(s) of study: Arts and humanities : *Audio-visual techniques and media production*

Level in EQF: EQF level 5

Ingegneria Informatica

Università di Parma [12/12/2019]

Address: Parma (Italy)

Level in EQF: EQF level 6

Computer Science, Electronics, Robotics, Analog signal processing, Databases, Telecommunications, Networks Engineering

(Not Completed) Electronics with Media Technology

University of York [2009 – 2012]

Address: York (United Kingdom)

Electronics, Signal Processing, Media Technology, Music Technology

Maturità Classica

Liceo Ginnasio G.D. Romagnosi [2003 – 2009]

Address: Parma (Italy)

Level in EQF: EQF level 4

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

French

LISTENING B2 READING C1 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B1

Spanish

LISTENING B1 READING B2 WRITING B1

SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

DIGITAL SKILLS

Microsoft Office / Adobe Creative Suite (Photoshop Indesign Illustrator After Effects Premiere) /
Photogrammetry / Final Cut - Pro / Programmin language PYTHON / FFMPEG

PUBLICATIONS

Publications

1. *Realtime Auralization employing a not-linear, not-time-invariant convolver* - Angelo Farina, Adriano Farina - AES 123rd Convention - October 2007 - New York
2. *A study of hearing damage caused by personal MP3 players* - Adriano Farina - AES 123rd Convention - October 2007 - New York
3. *Assessment of Hearing Damage when listening to music through a personal digital audio player* - June 2008 - ASA Acoustics Paris '08
4. *First description of the sound pressure and particle velocity components of the ambient noise and boat noise recorded at the WWF- Miramare Natural Marine Reserve (Trieste, Italy)* - Angelo Farina, Adriano Farina, Enrico Armelloni, Linda Sebastianutto, Carlo Franzosini, Marta Picciulin - Second International Conference "The Effect of Noise on Aquatic Life" Cork, Ireland, August 15-20 2010
5. *A comparison of different surround sound recording and reproduction techniques based on the use of a 32 capsules microphone array, including the influence of panoramic video* - Manola, Fabio; Farina, Adriano; Genovese, Andrea - UK 25th Conference: Spatial Audio in Today's 3D World (March 2012)
6. *3dof representation of the acoustic measurements inside the Comunale-Pavarotti Theatre of Modena* - Antonella Bevilacqua; Francesca Merli; Angelo Farina; Enrico Armelloni; Adriano Farina; Lamberto Tronchin - 2021 Immersive and 3D Audio: from Architecture to Automotive (I3DA)
7. *Acoustic parameters of the Municipal Theatre of Piacenza shown on different ways of representation* - Antonella Bevilacqua; Francesca Merli; Enrico Armelloni; Angelo Farina; Adriano Farina; Lamberto Tronchin - 2021 Immersive and 3D Audio: from Architecture to Automotive (I3DA)
8. *Acoustic Design Review for the Historical Aula Magna at the University of Parma. Measurement and Simulation Tools to Predict the Amount of Absorption to be put in Place* - Angelo Farina; Antonella Bevilacqua; Adriano Farina; - Audio Engineering Society – 152nd Convention 2022 May
9. *In-Situ Measurements of Normal Impedance and Sound Absorption Coefficient of Hard Materials by using a Laser Doppler Vibrometer* - Saccenti, Leonardo; Armelloni, Enrico; Farina, Adriano; Bevilacqua, Antonella; Lavagna, Lorenzo - AES 153rd Convention October 2022

JOB-RELATED SKILLS

Job-related skills

- Expert in the use and transport of audio and video equipment
- Expert in acoustics-related international and outdoor fieldwork

- Expert in the performance and elaboration of acoustical measurements
- Expert in 360 video capture and processing
- Competent at editing video