

CURRICULUM VITAE

Cenceschi Sonia



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Education and training

Date	09/2010 - 10/2012
Name and type of organization providing education and training	Conservatory of Music "Giuseppe Verdi" (Como - Italy)
Program of study	Master Degree
Principal subjects/occupational skills covered	Capacity to organize and manage a computer lab for music production, with expertise in all aspects of the production cycle. Acquisition of specialist skills in the use of electro-acoustic instrumentation for audio production, computer applications and design of audio functions in the media (sound design related to sound for industrial products, architectural spaces and general environments). Knowledge of technologies and multimedia productions as well as with specialization skills in integrated development of technologies and audiovisual arts; specific focus on online technologies. Acquisition of appropriate tools for musical practices in composition and audio installations/interactive systems. Further study in: psychoacoustics and music cognition, psychology and music pedagogy, sound design and digital restoration of speech and music.
Title of qualification awarded	Doctor in "Electronic Music and Audio Technologies"
Final mark obtained	102 / 110 (min 66 – max 110)
Date	10/2011 – in progress
Name and type of organization providing education and training	Conservatory of Music "Giuseppe Verdi" (Como - Italy)
Principal subjects/occupational skills covered	Classical Guitar Study of the instrument, music theory, composition and history of music
Title of qualification awarded	Pre-academic course – fifth year certification
Date	09/2002 - 02/2008

Name and type of organization	Università degli studi di Pisa (University of Pisa) - Italy
Program of study	Bachelor Degree
Principal subjects/occupational skills covered	Acquisition of the main methods of analysis (mathematicians and physicists) with particular attention to the acoustic of the environment and the resolution of related problems. Main topics: general physics, acoustics and thermodynamics, mathematical analysis, analytic geometry and statistical methods.
Title of qualification awarded	Junior doctor in Civil and Environmental Engineering
Final mark obtained	88 / 110 (min: 66 – max: 110)

Name and type of organization	Electronic and Information Engineering - University of Padua Conservatory of Music "C. Pollini " - Italy
Principal subjects/occupational skills covered	SaMPL summer school Restoration and preservation of digital audio documents: fundamentals of signal theory, passive conservation of physical media, active conservation in the digital domain, restoration of the signal. Elements of multimedia information retrieval and laboratory activities
Title of qualification awarded	Certificate of attendance
Final mark obtained	Excellent (min: sufficient - max: Excellent)

Date	09/2008 - 09/2010
Name and type of organization providing education and training	Politecnico di Milano – Informatics and sound Engineer (not completed)
Principal subjects/occupational skills covered	Basic knowledge acquisition in: programming, hardware, software components

Date	09/1997 - 06/2002
Name and type of organization providing education and training	Technical Institute “V. Cardarelli” (Italy)
Title of qualification awarded	Higher diploma of technical school
Final mark obtained	100/100 with honours (min: 60 – max: 100)

Graduation works

Title	Master Thesis Study of the perceptual and semantic divergence of digital audio samples processed by restoration algorithms
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Supervisor	Prof. Giorgio Klauer
Thesis Summary	The thesis integrates sensory and scientific instruments to analyze the relationship between subjective evaluations of digitally restored audio and its computer extracted perceptual descriptors
Title	Bachelor thesis Acoustic Analysis of the theater "Lux" of Pisa
Supervisor	Prof. Carlo Bartoli – Dott. Luca Alfinito
Thesis Summary	The thesis analyses and optimizes the architectural acoustics of the "Cinema Teatro Lux" located in piazza Santa Caterina in Pisa. It discusses the principal feature (like reverb, echo, index of decay, etc...) that describes the performance of the room by the perception of the listener.

Publications and articles

1 - Authors and title	Giorgio Klauer (Conservatory of Padova) - Sonia Cenceschi (Politecnico di Milano) Study of the perceptual and semantic divergence of digital audio processed by restoration algorithms
Language	English
Publication place	The International Computer Music Conference ICMC-SMC 2014 Athens, Greece
Data	08/14/2014 – ISBN: 978-84-617-2484-0
2 - Authors and title	Sonia Cenceschi – Licia Sbattella – Roberto Tedesco (Politecnico di Milano) KaSPAR – A prosodic multimodal software for dyslexia
Language	English
Publication place	ICERI 2014 Seville, Spain
Article presentation	11/18/2014 – EID: 2-s2.0-84908871883

Work experience and studies abroad

Date	01/12/2014 – 07/03/2015
Name of the University	University of York (UK)
Financier	Banca del Monte di Lombardia (award "Progetto Professionalità Ivano Becchi")
Sector	Audio Forensics
Website	http://www.fbml.it/
Type of employment	Researcher
Main activities	Comparison between the situation of forensic phonetics in England and in Italy
Date	20/10/14 (Switzerland)
Name of the University	SUPSI - University of Applied Sciences and Arts Department of Innovative technologies
Type of employment	Conference - "One Shoot Speech"
Main activities	Sound, noise and human voice: potential and gaps of sound engineering applied to telephone records in audio forensics

Date	02/2014 – 12/2014
Name of the University	Politecnico di Milano
Type of employment	Researcher
Website	http://arcslab.dei.polimi.it/
Main activities and responsibilities	Setting Up of a laboratory dedicated to the speech analysis. Design of the audio processing for KaSPAR (see publication), a software focused on the second language environment in subjects with dyslexia.

Date	01/2014 – in progress
Name	Cencor – Audio forensics services
Type of employment	Audio forensics expert
Website	www.perizieaudiocencor.it
Main activities and responsibilities	Digital restoration of audio recordings (Praat, IzotopeRX, ...) Audio manipulation, speakers comparison, extrapolation of sensitive data Teaching activities

Date	09/2010 – 12/2013
Name and address	Studio Pitzianti (Cagliari-Milano, Italy)
Type of business	Security and technology services
Type of employment	Forensic audio engineer
Main activities and Responsibilities	Digital restoration of audio recordings Audio manipulation, speakers comparison, extrapolation of sensitive data Audio transcripts in Italian language Teaching activities

Date	01/2008 – in progress
Name and address	Cultural Association “Mancamezzora” (Lecco, Italy)
Sector	Art
Type of employment	Musician and music teacher

Date	02/ 2009 – 12/2012
Name and address	CESD Srl (sede di Como)
Type of business	Education
Type of employment	Tutor
Main activities and responsibilities	Teaching activities in general physics, acoustic physics, thermodynamics and mathematical analysis, music, audio technology, mathematics, physics, etc...

Date	09/2010 – 09/2012
Name and address	Dante Alighieri Institute (Como, Italy)
Type of business	Education
Type of employment	Professor
Main activities and responsibilities	Music teacher at the nursery school Professor in Audio Technologies and Music at the secondary school

Date	05/2007 – 10/2007
Name and address	Flown Energy Srl
Type of business	Energetic sector
Type of employment	Technical designer
Main activities and responsibilities	Organization and management of the project, estimating construction costs & AutoCAD designer

Date	04/2006 – 09/2006
Name and address	Tecnostaff Srl
Type of business	Civil engineering
Type of employment	Technical designer
Main activities and responsibilities	Organization and management of the project, estimating construction costs & AutoCAD designer

Personal skills and competences

Languages

Italian	Native speaker
English	Good level (written and spoken) - B1 certificate
Spanish	Beginner

Social skills and competences	Excellent ability to work in teams with determination and enthusiasm, in contact with other professionals. Habit to make human contact and interact with potential customers giving particular attention to the development of mutual trust. Capacity to use prior experience to optimize and organize the work of a team, adapting its shape to the role to each situation; held and assuming the responsibilities connected to it. These skills have been acquired during the work experience (both dependent and independent) and as a musician in cultural and multicultural (requiring high adaptability and communication).
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Organisational skills and competences	High organizational skills: work habits in different areas, not just the specialization, such as organizing the work of many professionals to achieve objectives. Ability to handle multiple issues simultaneously and find solutions to practical problems that may arise in the management of a project or event. Positive approach in dealing with unexpected problems, improving the utilization of the means available. Able to relate with institutions and governments developed through experience as president of a cultural association. The capabilities listed were matured at technology companies and entrepreneurial activity.
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Technical skills and competences	Good use of the main audio editing and digital restoration software (iZotope RX advanced, Praat, Pro Tools, ...) as well as forensic software (voice comparison and voice analysis); Basic knowledge in MatLab, MathCad, Csound, MaxMsp, Arduino platform;
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	<p>Basic knowledge in C and C + +, Java;</p> <p>Habit in the use of electro-acoustic instrumentation and the setting of audio cabling (skills acquired through the work of live musician and the master degree in Electronic Music and Audio Technologies);</p> <p>knowledge of CAD software to design and design (2d-3d – specific courses attended);</p> <p>Ability to structure a business project of media entities and assess risks including economic benefits in the medium to long term structuring of a realistic economic plan.</p>
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<p>Other courses</p> <p>Artistic skills</p> <p>Awards</p>	<p>Other courses:</p> <ul style="list-style-type: none"> - Oral history and social video documentation (03/2013 - 07/2014) - Association E. Bassignani / Audiovisual Museum of the Resistance in Fosdinovo (Ms) / Institute Ernesto de Martino of Sesto Fiorentino (Florence): "Stories of Migrants, an archive of today" - Seminar in technical aspects of sound recording and preparation of the draft registration by M. Novati, RAI Italian Radio Television <p>Scholarships (2011-2012)</p> <ul style="list-style-type: none"> - Archiving activities in the historic music library of the Conservatory of Como - Collection project of traditional Italian lullabies and production of an educational show for children in preschoolers <p>Artistic publications:</p> <ul style="list-style-type: none"> - Music: "Il sogno di volare", 2009, Galletti-Boston editore Faenza, Italy - Theatre: "Io sono Petr Ginz", 2011, RAI Italian Radio Television - Writing: 2 short tales "coop for words 2011-2012, Bohumil Editore <p>Other musical studies:</p> <ul style="list-style-type: none"> - Seven years of private studies in piano - One year on modern battery, electric bass and accordion <p>Musical awards:</p> <ul style="list-style-type: none"> - Dacia Maraini "Poesia in Musica" prize, 2011 - Music and new technologies 2011 / Milano in digitale with the project "little orchestra"
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Additional information	<p>Passionate and curious reader, lover of travel and street performance</p> <p>Car license</p>
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