

**CORALIE DIATKINE**  
**SOUND DESIGNER, MUSICIAN, EDUCATOR**

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## 1 Personal Data

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## 2 Career Goals and Profile

My field of activity is sound design, which is comparable to graphics, visual design, or architecture. My skills include scenography, stage music, sonification, interaction and interfaces. Musician and musicologist, I returned to studies to obtain an Ma in Sound Design in the United Kingdom, gaining proficiency in music and technology based creation, industrial sound design, spatial audio, sonification of information, interaction, sound perception, musical acoustics and composition. In studying disciplines well beyond my primary field, such as computational acoustics and programming, an emphasis has been placed on curiosity and adaptability to technical, scientific or artistic backgrounds. I developed my imagination and a capacity for abstract and theoretical thinking, but also technical and practical skills including DIY and manual work. With this profile, I am able to create and to dialogue with engineers and researchers, within industry, art, and education. Previously, I have worked for an acoustic engineering society, in partnership with a leading French auto company and a luxury watch maker. I have also taught music and psychoacoustics, and worked as a graduate assistant in an American university.

A lifelong learner, passionate about transdisciplinarity, and art-science dialogue, work is to me an opportunity for intellectual and personal fulfilment. As a sound designer, I aim to adopt informed and original approaches, to provide a high quality rendering, and to develop and apply my abilities as the project requires. As a part of society, and thus responsible towards my peers, I seek out projects relating to ecology, human welfare, and creativity, hoping to serve such ideals at a personal and professional level.

## 3 Soft Skills

I seek balance between work and other dimensions of life such as health, family, or social relationships. Not only does it contribute to quality of life, but it also impacts work and proficiency, all the more so in art-oriented fields. Hence I favor a healthy and authentic life style, integration in a community, and giving to others. Friendly work relationships, based on honesty and sharing matter to me a lot. I have an independent, entrepreneurial spirit, but understand the benefits of team work, especially in challenging contexts. Having high levels of expectations, towards myself and others, I favor patience, dialogue and perseverance rather than rigidity, which is counterproductive, to reach my objectives. Being naturally frank and sensitive, I endeavor to express myself with tact and empathy, and analyze situations rationally. In a similar fashion, I am accustomed to associating creativity, imagination and rationality in the implementation of projects. My approach toward human relationships has been greatly influenced by traveling, living in diverse countries (Russia, USA, Northern Ireland, Algeria and many European countries), working in multicultural environments, and sharing various accommodations. This, along with my profile, has given me an ability to compromise and adapt to my interlocutors, to listen, to question, to be assertive when necessary, and to look objectively and analytically at a given state of affairs.

## 4 Professional Experience

### 4.1 Sound Design Research and Creation

Today : development of projects in 3D Audio and music, networking and private teaching.

Jan - Jun 2014: Graduate assistant Institute for Creativity, Arts and Technology, **Virginia Tech**, Va, USA. Project : Big Data sonification. English speaking environment

Fev - Oct 2012 : Sound Designer **Genesis Acoustics**, Aix en Provence, France.

- **Renault** : Electric vehicle real time inner sound design. Speed perception and ecofriendly drive enhancement, acoustic and sonic ergonomics, sound identity definition. MaxMSP.
- **Cartier**: Luxury wrist watch minute repeater ring tones from the virtual model of an integrated music box and an innovative time code system. Matlab.
- Sound Design Ma Internship École Supérieure des Beaux-Arts du Mans (ESBAM) / Institut de Recherche et Coordination Acoustique et Musique / (IRCAM) Paris, France. Spatial Audio and binaural technology, thermic and electric vehicles sound design, minute repeater sound design.

Nov - Dec 2011 : Sound Design Ma workshop (ESBAM/IRCAM), partnership with Domyos/Decathlon Real time sonification, therapeutic and entertainment implementation. MaxMSP.

## 4.2 Pedagogy and Edition

2011 - 2012: Psychoacoustics and Auditory Cognition teacher, stage management department, Institut Technologique Européen des Métiers de la Musique (ITEMM), Le Mans, France

2008 - 2012: OpenMusic and Audiosculpt online user manuals editor, IRCAM, Paris, France. Freelance score editor (contemporary, classic, jazz).

2004-2009: Music teacher, Maison des Jeunes et de la Culture de Sceaux, France, children and teenagers. Private music and lyric singing teacher.

## 5 Musical Creation and Sonic Arts

### 5.1 Electronic Music, Soundscapes, Compositions

#### *Electronic Music and Soundscapes (2012-2014):*

*Esquisses* (Csound) stereo and quadriphonic versions. *Palpitations d'un clair obscur* (MaxMSP). *Belfast City Hospital*, triptych, recording with contact, binaural, shotgun and field recording, stereo and multitrack, editing.

#### *Mixt and Instrumental Compositions (2004-2006):*

*Everything else*, double bass and tape. Premiered by Sebastien Beliah, Espace Kiron, Paris. #1 vibraphone, performer Benoît Alziary. *198 198* Electroacoustic, acousmonium. *Chanson d'Ariel* (electroacoustic).

### 5.2 Orchestration (2005-2006)

K. Stockhausen *Klavierstücke XI* harpsichord, harp, piano and three percussion sets. A. Schönberg *Sechs kleine Klavierstücke* chamber orchestra. C. Debussy *La belle au bois dormant* for barytone and symphony orchestra. Conservatoire National de Région de Paris, France.

### 5.3 Performance: Lyric Singing - Mezzo Soprano / Saxophone

Today : alto saxophone improvisation

2006-2009: Foundation of the Ensemble *Les Riches Heures*, italian, german and french baroque music. Series of concerts in France. *Juditha Triumphans*, Vivaldi (Judith) Urbino - Palazzo Ducale, Orchestra barocca FIMA, director: Stefano Montanari. *Messe de Notre Dame*, Guillaume de Machaut, Triplum. Director: Marcel Pérès Festival *Laus Polyphoniae*, Antwerp, Belgium. D. Rotaru, *What Lips my Lips* Percussions de Strasbourg, *Voix Nouvelles*, Fondation Royaumont. K. Haddad, *Wir Sind die Trabenden* version for flutes and mezzo alto, Orchestre de Flûtes Français, *Auditorium St Germain*, Paris. G. Pesson *Particolari e licenza* L'Instant Donné & Christophe Desjardin, *Festival Musica* Strasbourg

2006-2008: Solo improvisation and duets with Antoine Daurès, tenor saxophone, *Naxos Bobine*, Paris

## 6 Training

### 6.1 Higher Education

2014 : Sonic Arts Phd- Interrupted. Human Centered Design Programme. Spatial Audio *Virtual Sound Sculptures*. Virginia Tech, Va, USA

2012-2013: Master of Sonic Arts with Commendation / 1st (Bien-Très Bien), Sonic Arts Research Center, Queen's

University Belfast, Northern Ireland.

2011- 2012: Sound Design Master, year 1 ESBAM-IRCAM.

2006 : Musicology Master, major : music psychology, Excellence/1st (Très Bien) Université Paris IV Sorbonne

2001: Musicology Bachelor Excellence/1st (Très Bien)

1995 - 96 : Hypokhâgne lycée Louis le Grand, Paris, France, Philosophy Bachelor, year 1, Nantes University, France.

A Level, major : litterature and english, Excellence/1st (Très Bien)

## 6.2 Composition, Orchestration, Music Theory

Oct 2006: Degree in Higher Education (Bachelor) in Musical Acoustics, Conservatoire National Supérieur de Musique et de Danse de Paris , Excellence/1st with Unanimity (Très Bien). Additionnal certificates in Counterpoint/Harmony, Vocal Improvisation, History of Music, Sound Engineering Techniques Initiation.

Jun 2006: First Prize of Orchestration, with Unanimity Conservatoire National de Région de Paris.

2000 - 2010 : Computer assisted composition, electronic music, programming music workshops, IRCAM, Paris, Labomedia, Bordeaux, France

1999 - 2004: Electroacoustic/Acoustic, Computer assisted composition, harmony, analysis, music theory studies (Diplôme d'Education Musicale), Paris City Conservatories.

## 6.3 Vocal and Instrumental

2008 : Singing Bachelor, Brussels Royal Conservatory, Belgium, Good / 2:1 (Bien)

2000 - 2009 : Singing, chamber/early music, Paris City and Regional Conservatories, private lessons, workshops and professional training.

1982 - 1990 : Violin, piano and music theory training, Nantes Regional Conservatory, France

## 7 Languages and Technical Proficiency

### 7.1 Languages

Mother tongue: French. English : Fluent. TOEFL 18.5/20. Italian : good oral and written understanding and expression. Russian : false beginner

### 7.2 Tools

- Max MSP, Csound, Audiosculpt, OpenMusic. ProTools and equivalent sequencers. Various microphones and portable recorders. Arduino: basic use. Finale : advanced/professional use. Matlab training (basic, DSP, acoustics) planned in 2015.
- Mac: professional use. PC/Linux : basic use. IWork/Office/OpenOffice
- Html, css, javascript: elementary proficiency allowing for website development form templates

## 8 Centers of Interest/Leisure

- Support of women's rights, health, nature and culture preservation. Sponsorship of a beninese girl with Aide et Action.
- Cinema, visual arts. Gastronomy, organic and biodynamic agriculture. Voluntary management of organic fruits trade with a local CSA in Bordeaux area. Yoga, swimming, hiking, biking, climbing, diving.