

Christophe Lengelé

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Montréal, QC, Canada

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[ResearchGate](#) — [Google Scholar](#) — [YouTube](#) — [Vimeo](#) — [Github](#)

Career Goals and Profile

Spatial sound improviser, composer & developer of experimental live audio open source tools

Christophe Lengelé is a spatial sound designer and performer for electronic and experimental music. He particularly focusses on the development of live experimental audio tools and interfaces built from open source softwares like SuperCollider.

After studying law and economics and working as a marketing and market analyst in international companies for a few years, he decided to quit the business field in 2006 to study electroacoustic composition. He trained and worked from 2008 to 2012 at the Municipal Conservatory Georges Bizet of the 20th district of Paris and obtained a Master of Arts in computer music at Université Paris-Est Marne-la-Vallée in 2014 and a Doctorate in music (composition and sound design) at Université de Montréal in 2022. Then, he followed his postdoctoral research/creation in spatial improvisation at Université du Québec à Montréal until 2024.

He seeks to bring together the spheres of composition and improvisation and focus on performing variable spatio-temporal pieces with a global custom live tool. He has been regularly developing this tool since 2011, in order to "play the place and the music at the same time". His spatial research, which questions ways of associating rhythmic and spatial parameters, is based on the concept of free and open works, both from the point of view of form and in the diffusion of open source code (<https://github.com/Xon77/Live4Life>).

His works have been presented and performed internationally, particularly at the International Computer Music Conference (2018, 2021, 2024), during the Journées d'Informatique Musicale in France (2017, 2019), at Akousma Festival 2021 (Montréal, Canada), as well as at Cube Fest 2022 (Virginia Tech, Blacksburg, USA), at gala Hexagram 2023 (Montréal, Canada), and more recently at Ateliers Belleville (Montréal, Canada) in 2024. He is the recipient of several research-creation grants.

Education and Training

[Université de Montréal](#)

MONTRÉAL

1-year Master and Doctorate in Music - Composition and Sound Design

Sep 2015 - Apr 2022

Thesis: Spatial improvisation generated from polyrhythmic patterns and looped parameter sequences funded by FRQSC scholarship

[Université Paris-Est Marne-la-Vallée](#)

NOISY-LE-GRAND

Master of Music - Contemporary Music and Computer Music

2012 - 2014

with distinction (2:1) - Mention Bien (15.2/20)

Thesis: Spatialisation in electronic music

[Paris Municipal Conservatory - Georges Bizet \(20th district\)](#)

PARIS

Training in Electroacoustic and Computer assisted composition

2008 - 2012

[IRCAM](#)

PARIS

Workshops on Computer composition, sound design and audio processing

Oct 2006 - May 2007

[International Institute of Image and Sound](#)

ÉLANCOURT

Training in Multimedia Design and Engineering

Feb 2007 - Sep 2007

[Université Paris I - Panthéon Sorbonne](#)

PARIS

Master in International Economics

2002

with distinction (2:2) - Mention Assez Bien (13.3/20)

[Université Paris VII - Denis Diderot](#)

PARIS

Bachelor in Law and Applied Foreign languages

2000

with distinction (2:1) - Mention Bien (14.1/20)

1-year Erasmus Programme at the Humboldt University in Berlin

Professional Experience

Université du Québec À Montréal	MONTRÉAL
Postdoctoral Fellow in Research/Creation in spatial improvisation (internship)	Sep 2022 - Aug 2024
Université de Montréal	MONTRÉAL
Research Assistant in GRIS (Research Group in spatial immersion)	Sep 2015 - Apr 2021
• Recommendation and Beta-testing of spatial plugins (SpatGRIS)	
• Development of a control interface on iPad in OSC from the Lemur application	
Paris Municipal Conservatory - Georges Bizet (20th district)	PARIS
Sound and Stage Technician	Nov 2008 - July 2010
• Organisation and technical supervision (sound and stage) of concerts	
• Supply management concerning audiovisual needs	
• Installation and dismantling of audiovisual equipment	
• Sound creation and mixing	
Europ Assistance	GENNEVILLIERS
Assistance Coordinator in Medical Department	Mar 2008 - Nov 2008
• Receiving calls from customers needing medical assistance abroad	
• Coordination of assistance between operators (local correspondants, hospitals, repatriation)	
ONG Conseil	PARIS
Donor Recruiter	Jan 2008 - Feb 2008
• Providing information to the public about NGO's targets and needs	
• Fund-raising in public spaces	
Mondomix	PARIS
Audiovisual and Multimedia Assistant (internship)	Aug 2007 - Sep 2007
• Website updates	
• Video archiving	
Pirelli France	ROISSY EN FRANCE
Marketing Analyst	Jan 2005 - Sep 2006
• Pricing: Setting up pricing grids and discounts for special offers depending on inventory	
• Reporting and planning: Development of custom dashboards with key performance indicators	
• Development of synthetic and automatic sales support tools for the sales force	
• Market research: Partner management in strategic marketing	
European Channel Manager Assistant	Sep 2003 - Dec 2004
• Operational management of a customer accounting for 25% of turnover	
• Coordination and negotiation of tenders from European Accounts	
AOL Deutschland KG & GmbH	HAMBURG
B2B Analyst in Strategic Alliances Group (internship)	Jun 2002 - Dec 2002
• Research of media and financial data on potential partners in interactive marketing and content	
• Analysis of partnership and new revenues opportunities: Business analysis and legal implications	
• Structuring of partnership contracts with European Accounts	
Morgan Stanley Dean Witter France	PARIS
Legal and Financial Researcher in Investment Banking Department (internship)	Jun 1999 - Sep 1999
• Reception and analysis of requests from financial analysts and information delivery	
• Setting-up database covering global information on companies quoted on the markets	

Languages and Technical Proficiency

Languages

French (*mother tongue*)

English (*IELTS: 7.5 in October 2022*)

German (*good written understanding*)

Technical expertise

- SuperCollider
- Word, Excel, Powerpoint, Business Objects
- Photoshop, Illustrator, Final Cut Pro (elementary proficiency)
- HTML, CSS, Javascript (elementary proficiency)

Scholarships awarded

Graduate scholarships from Université de Montréal	<i>Sep 2016 - Apr. 2018</i>	(26.000 \$)
Doctoral research scholarship from the FRQSC	<i>May 2018 - Dec. 2021</i>	(77.000 \$)
Postdoctoral research-creation scholarship from the FRQSC	<i>Sep 2022 - Aug 2024</i>	(90.000 \$)

Publications in journals

Christophe Lengelé. 2021. [Live 4 Life: A spatial performance tool to play the ephemeral and improvise with space and playback speeds](#). *Organised Sound*, 26(1):89–99.

Conference articles and presentations

Christophe Lengelé, Philippe-Aubert Gauthier. 2024. [Exploring Immersive sound through a workshop with the open source tool Live 4 Life: Summary of user insights and preferences on event vs. track-based spatialization and channel vs. object-based paradigms](#). In *International Computer Music Conference*, pages 52–55, Seoul, South Korea.

Christophe Lengelé, Philippe-Aubert Gauthier. 2023. [Live 4 Life: A dream for a free and open spatial performance tool towards symbiosis or death?](#) In *International Symposium on Electronic Arts*, pages 530–538, Paris, France.

Christophe Lengelé. 2021. [The story and the insides of a spatial performance tool: Live 4 Life](#). In *International Computer Music Conference*, pages 133–139, Santiago, Chili.

Christophe Lengelé. 2018. [Live 4 Life - A spatial performance tool focused on rhythm and parameter loops](#). In *International Computer Music Conference*, pages 298–303 Daegu, South Korea.

Christophe Lengelé. 2017. [La création en temps réel de polyrythmies spatialisées via l'outil de performance spatiale: Live 4 Life](#). In *Proceedings of Journées d'Informatique Musicale*. Paris, France.

Concerts

Échos IX: music for wide spaces, at Ateliers Belleville, Montréal, Canada, August 3rd 2024: *Sounds of machines*, performance in quadriphony.

International Computer Music Conference, Late night concert at Newstar Highball Pub, Seoul, South Korea, July 13th 2024: *Free party with Parmegiani and Dhomont*, performance in stereo.

[Gala Hexagram](#), Mezzanine of UQÀM's Agora du Cœur des sciences, Montréal, Canada, April 27th 2023 : *Live 4 Life or Die - Free party with Parmegiani*, performance for a dome of 32 loudspeakers.

[Cube Fest](#), at Virginia Tech, Blacksburg, VA, USA, August 21th 2022: *Parmegiani meets SuperCollider*, improvisation recorded for a dome of 32 loudspeakers.

[Akousma Festival](#), at Usine C, Montréal, Canada, October 15th 2021: *Free party with Normandéau*, performance for a dome of 24 loudspeakers.

Journées d'Informatique Musicale, at Auditorium Henri Grenet, Bayonne, France, May 13th 2019: *Free parties will survive IV*, performance for a ring of 8 loudspeakers.

International Computer Music Conference, at Chamber Hall, Daegu, South Korea, August 9th 2018: *The Machine III*, performance for a ring of 8 loudspeakers.

Ultrasons Festival at Salle Claude Champagne, Université de Montréal, Canada: Performance of 9 spatial improvisations for a dome of 16 loudspeakers from January 2016 until January 2020, organised twice a year, around three themes:

1. technology (*The machine*),
2. capitalism (*Free parties will survive*),
3. loneliness (*Free party with Parmegiani, Dhomont, Normandéau,...*).

Workshops on spatial sound creation and improvisation with open source tools

Mezzanine of UQÀM's Agora du Cœur des sciences, three one-day training workshops and participatory installations organized as part of [Hexagram](#) in May and December 2023 and August 2024, Montréal, Canada.

[Centre for Interdisciplinary Research in Music, Media and Technology \(CIRMMT\)](#), five training workshops ([three](#) 3-hour sessions and [two](#) full-day sessions) organized in March, April and November 2023, Montréal, Canada.

Forum des images, a one-day training workshop organized as part of the [International Symposium on Electronic Arts \(ISEA\)](#) on May 17, 2023, Paris, France.



Photo @Akousma / La Conserve Média. 2021



Photo of the spatial performance tool *Live 4 Life* @ Université de Montréal. 2021