Christophe LENGELÉ

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Researcher, composer, improviser, and educator in spatialized music/sound and live coding

- 10 years of experience in spatialized musical research, creation and design: YouTube — Vimeo
- Strong analytical and synthesis skills for research dissemination: ResearchGate — Google Scholar
- Expertise in open-source software development for sound creation: https://github.com/Xon77
  Performance tool development: Live 4 Life — Live 4 Bubbles — Fizzy Hydra
- Proven ability to design and lead workshops and training sessions: see workshops below

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Education and Training

Université de Montréal — MONTRÉAL
Doctorate in Music - Composition and Sound Design — *Sep 2015 - Apr 2022*
Thesis: Spatial improvisation generated from polyrhythmic patterns and looped parameter sequences

Université Paris-Est Marne-la-Vallée — NOISY-LE-GRAND
Master's in Music - Contemporary Music and Computer Music — *2012 - 2014*
Thesis: Spatialization 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's in Applied Foreign Languages in Economics — *2002*

Université Paris VII - Denis Diderot — PARIS
Bachelor and Applied Foreign Languages in Law — *2000*
1-year Erasmus Programme at the Humboldt University in Berlin

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Professional Experience

Université du Québec À Montréal — MONTRÉAL
Audiovisual Technician — *since June 2025*
Postdoctoral Fellow in Research/Creation in spatial improvisation — *Sep 2022 - Aug 2024*
- Designed, organized and led training workshops and participatory installations
- Developed open-source tools for real-time spatialized sound creation
- Created performances showcasing spatialized sound improvisations
- Analyzed surveys and authored research articles
- Presented research findings at international conferences

Université de Montréal — MONTRÉAL
Research Assistant in GRIS (Research Group in spatial immersion) — *Sep 2015 - Apr 2021*
- Conducted beta testing and provided recommendations to optimize SpatGRIS spatialization tools
- Developed an iPad control interface using Lemur

Paris Municipal Conservatory - Georges Bizet (20th district) — PARIS
Sound and Stage Technical Supervisor — *Nov 2008 - July 2010*
- Organized and supervised technical aspects (sound and stage) of concerts
- Managed audiovisual supply chain
- Installed and operated audiovisual equipment
- Created and mixed soundtracks

[Europ Assistance](#)   GENNEVILLIERS
Assistance Coordinator in Medical Department   *Mar 2008 - Nov 2008*
- Handled calls from clients requesting medical assistance
- Coordinated assistance among operators (local correspondents, hospitals, repatriation)

[ONG Conseil](#)   PARIS
Donor Recruiter   *Jan 2008 - Feb 2008*
- Provided 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*
- Video archiving and website updates

[Pirelli France](#)   ROISSY EN FRANCE
Marketing Analyst   *Jan 2005 - Sep 2006*
- Implemented pricing frameworks and discount policies
- Developed interactive dashboards for strategic planning and analysis
- Automated sales reporting tools, reducing manual workload
- Coordinated outsourcing with strategic marketing partners

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

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Languages and Technical Proficiency

Languages
French (*mother tongue*)
English (*IELTS: 7.5 in October 2022*)
German (*good written understanding*)

Technical expertise
- Audio-visual Programming and live coding: SuperCollider, Tidal Cycles, Strudel, Hydra
- Audio Production: Reaper, Digital Performer
- Visual Production: Photoshop, Illustrator, Final Cut Pro (elementary proficiency)
- Web: HTML, CSS, Javascript (elementary proficiency)
- Suite Office

Scholarships awarded

Exploration and Research Grant from the [CALQ](#)	*Apr 2025 - Sep 2025*	(10.000 $)
Postdoctoral research-creation scholarship from the [FRQSC](#)	*Sep 2022 - Aug 2024*	(90.000 $)
Doctoral research scholarship from the [FRQSC](#)	*May 2018 - Dec 2021*	(77.000 $)
Graduate scholarships from Université de Montréal	*Sep 2016 - Apr 2018*	(26.000 $)

Workshops on spatial sound creation and improvisation with open source tools

[Eastern Bloc](#), a three-hour public workshop on the development of a new audiovisual live coding control system: [Live 4 Bubbles](#) & [Fizzy Hydra](#) (including a presentation, a performance, and public experimentation) on October 18, 2025, Montréal, Canada.

Bloomberg Center at Johns Hopkins University, a one-hour training workshop organized as part of [SuperCollider Symposium](#) on March 13, 2025, Washington DC, USA.

Mezzanine of UQAM'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.

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, Chile.

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.

Spatial performances

SuperCollider Symposium, at the Auditorium of the Bloomberg Center at Johns Hopkins University, Washington DC, USA, March 15th 2025: *Sounds of machines II*, performance in octophony.

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 21st 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 Normandeau*, performance for a dome of 24 loudspeakers.

Journées d'Informatique Musicale, at the 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, organized twice a year, around three themes: technology (*The machine*), capitalism (*Free parties will survive*), and loneliness (*Free party with Parmegiani, Dhomont, Normandeau,...*).

Artistic collaborations

La Sala Rossa, as part of a residency with Codes d'Accès, Montréal, Canada, scheduled for April 26, 2026 : *Caos Celestial de Archivos*, duo performance with Gabi Tomé.

Hexagram Experimentation Room, Montréal, Canada, September 2024 and June 2025 : co-creation and octophonic sound improvisation for Julien Dajez's two residencies.