

LUCA SPANEDDA

he/him

Personal info

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Link

/LucaSpanedda
/luca-spanedda

Skills

Faust(GRAME), Pure Data, Max Msp, Csound, Python, Bash
L^AT_EX, HTML, CSS, Lilypond
{MS, Libre, GSuite} Office, Adobe Acrobat
Linux, Windows, macOS

Expertise

composition for musical instruments, algorithmic composition, computer music, DSP programming, live electronics, embedded systems, autonomous installations, sound design, live recording, mixing, mastering.

Languages

Italian (Mothers tongue)
English (Fluent)

EDUCATION

PhD in Artistic Research in Music and Musical Aesthetics, Alfredo Casella Conservatory of Music

L'AQUILA DEC 2024 – PRESENT
Supervisor: Agostino Di Scipio

Pre-PhD Program: EARS (Emerging Artists-Researchers in Sound and Technology)

ZHDK'S PROGRAM AT ICST, NOV 2024

Electronic Music, Santa Cecilia Conservatory of Music (Master's Degree)

ROME OCT 2019 – MAR 2023
Degree: Second Level Academic Diploma

Grade: 110/110 cum laude

Thesis subject: Complex Adaptive Systems for Live Electronics musical performances

Electronic Music, Santa Cecilia Conservatory of Music (Bachelor's degree)

ROME OCT 2015 – JUL 2020
Degree: First Level Academic Diploma

Grade: 97/110

Thesis subject: The First Technical Figures in Electroacoustic Music

Commercial Technical Education, High School ISIS Giuseppe Di Vittorio

LADISPOLI(RM) AUG 2015
Degree: High School Diploma

COMMISSIONS

Waste Kompost Radio

Project for Alan Alpenfelt, Daniela Allocca in collaboration with Pro Helvetia
APR 2023 – AUG 2023

- Algorithmic composer for a sound installation in collaboration with Dario Sanfilippo

WKR on laRegione, Lugano LAC, FIT Festival

SKILLS

Contributor to the Faust(Grame) project

- Bug reporting and project development shared with the developer community

DSP Software Developer

- DSP and VST software development using frameworks: Faust 2 JUCE (C++), Pure Data (Camomile), Max MSP (Gen), Csound (Cabbage), and others

Developer on Microcontrollers, Microprocessors, and Single Board Computers

- Software development on Microcontrollers, Microprocessors, and Single Board Computers: Attiny 85, Arduino, Teensy, Raspberry PI, and others

Soldering Electronic Components and Project Development

- Ability to solder electronic components on boards: Small Synthesizers, DAC and ADC, Preamplifiers, development and creation of MIDI controllers


Music Information Retrieval

- Analysis and plotting of audio files in deferred time in Python environment and in real-time in FAUST (GRAME) environment. Development of specific algorithms for signal analysis in FAUST (GRAME)

RITI: Room Is The Instrument, at XXIV Colloquio di Informatica Musicale

OCT 2024

Performance in Live Electronics of "RITI: Room Is The Instrument" at XXIV Colloquio di Informatica Musicale. Torino, Italy.

 XXIV Colloquio di Informatica Musicale

Waste Kompost Radio, at the S.Cecilia Conservatory in Rome

MAR 2024


Presentation of the Waste Kompost Radio installation at the S.Cecilia Conservatory in Rome.

 Electronic Music Concert

Waste Kompost Radio, at the International Theatre Festival

OCT 2023

Presentation of the Waste Kompost Radio installation at the International Theatre Festival 2023, Lugano (Switzerland).

 International Theatre Festival

RITI : Room Is The Instrument, at A.Casella Conservatory of L'Aquila

OCT 2023

Performance in Live Electronics of RITI : Room Is The Instrument, at Temporary Concert Hall (LTCH) - Alfredo Casella Conservatory of L'Aquila

 elettroAQuistica concert on il Messaggero

Wires, at S.Cecilia Conservatory in Rome - Sala Medaglioni

APR 2022

Performance by a string quintet of the composition "Wires" at Sala Medaglioni of the S.Cecilia Conservatory in Rome

Live Electronics of Post-prae-ludium per Donau by Luigi Nono, at Goethe-Institut Italien in Rome

JUL 2021

Performer for the Live Electronics parts in Post-prae-ludium per Donau by Luigi Nono, at Goethe-Institut Italien in Rome, Festival Arte e Scienza.

Asteroids, at University of Rome "Tor Vergata" and S.Cecilia Conservatory in Rome

JUN 2017

Performance in Live Electronics of "Asteroids" Audio-Visual composition at the Master in Sonic Arts University of Rome "Tor Vergata" and at the academic hall of the S.Cecilia Conservatory in Rome.

From my house in da house

NOV 2021

Creation of a piece used for the soundtrack of the film From my house in da house by Giovanni La Gorga, produced by QualityFilm.

Aquadro

MAR 2013

Creation of a piece used for the soundtrack of the film Aquadro by Stefano Lodovichi, produced by Rai Cinema.

