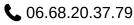


DE LA GORCE BAPTISTE

Computer Science / Electronics / Signal processing



Music



baptiste.delagorce@smartaudiotools.com

COMPETENCIES

Computer Science Electronics Signal Processing CAD

Python (PyQt, numpy), C , C++, Max/MSP, Matlab Analog and digital circuit design Temps/fréquence (Fourier, phase vocoder) Solidwork, laser cutting Guitar, recording, and audio diffusion

EDUCATION

MASTER'S DEGREE IN ACOUSTICS

University of Aix-Marseille 2004-2005

ISEN ENGINEER

Institut Supérieur d'Électronique et du Numérique 41 Bd Vauban, 59800 Lille 1999-2004

BACCALAUREATE

Mathematics specialization Lycée Pasteur 1 Rue des Urbanistes 59000 Lille 1999

EXPERIENCES

2024 **INRIA** (National Institute for Research in Computer Science) Incubation of the Smart Audio Tools creation project.

SMART AUDIO TOOLS. Development of an infrared camera and 2023 facial recognition software (Python, PyQt, C++), enabling musicians to control their audio effects using facial expressions.

2013 **Python Language Teaching**

Private lessons and instruction to contemporary artists.

Independent Developer. 2012

Programmed interactive installations in Python and Max/MSP for contemporary artists.

Developed a real-time programming environment in Python based on the PyQt library.

Conducted research on real-time tempo tracking algorithms.

2006 **MIXVIBES** (Audio software editor for DJs)

Research & development in audio signal processing.

IRCAM (Institut de recherche et coordination acoustique/musique) 2005 Development of the real-time version of the phase vocoder

"Audiosculpt." Six-month final-year internship.

2004 **EOWAVE** (Synthesizer manufacturer): 3-month internship Audio processing algorithm development.

ISEN: 4th Year Engineering School Project.

Programming of a real-time tempo recognition algorithm with phase-locking in C language.

FRESNOY (National studio for contemporary arts) internship.

2003 **LA KITCHEN** (*Technical expertise for artists*): 1-month internship.

SOLUTRONIC (*Electronics*): 1-month internship. 2001