My Research

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# Introduction

Researcher, software developer and composer of Electroacoustic Music.

## Notable Works

* Dark Matter (CMS point 5, CERN, Switzerland).
* Greap (ACROE-ICA, Grenoble, France).
* Ataraxia (ICMC 2014).
* Free as in BEER (Live-Code Festival, Karlsruhe, Germany).

# Education

* 1. BA (Hons) in Music Production.
  2. Masters in Electroacoustic Composition.
  3. PhD focusing in Computer Music and interactive media.

### Thesis title: "An evaluation of digital interfaces for music composition and improvisation".

# Research Experience

* 1. Research assistant: Dark Matter project, University of Birmingham.
  2. Artist in residence: Sculpt project, residency at the Ionian University, Greece.
  3. Academic associate of the BEER, University of Birmingham.

## Software development experience

* CosmoSonics, platform to sonify astronomy data.
* DarkMatter, involved in software solutions to use data from LHC.
* Greap, a real time performance environment showcased on the Leap Motion website.
* PoP system, use of an Arduino to collect environmental data.

# Relevance with the IRiMAS project

* creative coding and software development.
* Numerous projects focusing in DSP applied in music.
* experience in project management.
* experience in interdisciplinary projects.
* collaboration with leading research centres.
* experience in working with version control systems i.e. GitHub.

## Or something in this form instead(?)

Relevance with the IRiMAS project: Software development has been an inherent part of my professional practice. My PhD included a portfolio of original compositions with accompanying custom made software implementing various DSP techniques. These include pieces of analysing acoustic instruments using MIR techniques to platforms which were used for the sonification of experimental new physics data. While I have excellent skills in music software development I acquire a broad knowledge on aesthetic and technical issues of Electroacoustic Composition. Thus, being competent in both musical and technical issues I can provide valuable solutions in the IRiMAS project.