

# Panos Papiotis, PhD

## Multidisciplinary Researcher and Developer

interested in multimodal data science, software prototyping, and interactive technologies.

-  [slowmountain.github.io](https://github.com/slowmountain)
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-  Barcelona, Spain



03.2018 **Music Technology Group, Universitat Pompeu Fabra** Barcelona, Spain

02.2015 Post-Doctoral researcher, R&D prototyping developer

- Designed & developed software and hardware prototypes, oversaw their transition into products
- Carried out technology transfer from research institutions to collaborating companies
- Applied User-Centred Design framework to prototyping & product development
- Co-created and co-organized the Sonar Innovation Challenge

**Disciplines:** Multimodal Data Repositories, Machine Learning, Web Development, HCI

**Technologies:** Python, C++, JavaScript, Docker, PostgreSQL, Pure Data, Physiological & Motion tracking sensors

02.2016 **Music Technology Group, Universitat Pompeu Fabra** Barcelona, Spain

10.2010 PhD Researcher, Teaching assistant

- Developed multimodal data acquisition and analysis software for the requirements of EU funded projects
- Created and curated multimodal datasets
- Carried out research on computational analysis of music performance
- Tutored MSc students' final projects
- Co-organized the Barcelona Music Hackday

**Disciplines:** Time Series Analysis, Music Information Retrieval, Multimodal Data Analysis, Machine Learning, Data Visualization

**Technologies:** Matlab, C++, Motion tracking sensors

02.2009 **Informatics department, Athens University of Economics and Business** Athens, Greece

09.2008 Computer Science Lab administrator (internship)

06.2007 **Municipal Conservatory** Lamia, Greece

09.2003 Assistant Professor of Classical Percussion



02.2016 **Universitat Pompeu Fabra** Barcelona, Spain

10.2010 **PhD in Information and Communication**

**Technologies**

Thesis: Computational analysis of string quartet

09.2010 **Universitat Pompeu Fabra** Barcelona, Spain

09.2009 **MSc in Sound and Music Computing**

Thesis: Real-time accompaniment using Query-by-humming

09.2009 **Athens University of Economics and Business**

Athens, Greece

**BsC in Informatics**

Thesis: Audio synthesis of Orchestral Timpani

06.2007 **Municipal Conservatory of Lamia** Lamia, Greece

09.1995 **Diploma of Classical Percussion**



**Programming languages**

Python, C++, Matlab, Java, JavaScript

**Web**

HTML / CSS, Flask, RESTful web services

**Frameworks**

Flask, OpenFrameworks, Docker, Pure Data, Max/MSP, Processing

**Databases**

PostgreSQL, MySQL

**Languages**

Greek (native)

English, Spanish (fluent)

German (basic)