

	Name:	Pedro Ferrera Bertran
	Date of Birth:	29/10/1982
	E-mail:	ferrerabertran@gmail.com

WORK EXPERIENCE

2006 - Now

Senior Java developer in the backend department of Enormo, a vertical search engine for real estate listings.

- I am working on a variety of information retrieval, data mining and optimization problems.
- I have created and maintained a scalable system for massive heterogeneous data feed integration which is able to maintain and update millions of listings.
- I have used distributed computing (Hadoop) and applied artificial intelligence techniques to some solutions that required machine learning processes.

2005-2006

Java developer at MyStrands, a company in the industry of musical recommendations.

- I started working in the development team as a Java programmer in *March, 2005*.
- In *September 2005* I moved to the US and took the responsibility of carrying out the planning, researching and coding of a 3-month project (a user recommender), as well as writing a *patent application* for it.
- Back to Spain, I worked on improving the music recommender and developing new features in the labs department which involved researching and scientific writing skills.

EDUCATION

2000-2006

Masters degree in Computer Science at UAB, Universitat Autònoma de Barcelona.

- The final degree project was on obtaining music expressivity through a knowledge-based system, and it involved research skills. It was done in the IIIA.
- A scientific paper was written based on this project, and presented at CCIA 2005.

Summer 2004

Seminar on Quantum Physics applied to Information Technologies at UIMP (Universidad Internacional Menéndez Pelayo).

1998-2000

Scientific Baccalaureate in Sabadell, Barcelona.

OTHER EXPERIENCE

- *Algorithmic music research*: I am currently researching and developing algorithms for automatic music generation. The aim is to produce a good tool for algorithmic music generation that can be published on the Internet.
- *Musiclocated*: I developed and maintained a light website that integrated geolocation and streaming services to offer users the possibility of finding a musician nearby.

TECHNICAL SKILLS

- High skills in object-oriented programming. High knowledge of the Java framework (5 years experience). Good knowledge of C/C++ and scripting languages like Python and Perl.
- Experience and high interest in applying artificial intelligence and optimization techniques to real-life problems. Have applied Heuristic algorithms, Natural Language Processing techniques and classifiers, among others.
- Experience in working with relational databases like MySQL.
- Experience in working and developing under UNIX-like systems.
- Research skills and motivation.
- Good mathematic skills, especially in discrete mathematics.

OTHER INTERESTS

- In my free time I do music. I have studied piano, electric bass and guitar. I have done some soundtracks and recorded for some bands. You can hear some of them in my website.
- Chess, pool and football.

LINKS

My website: <http://www.pedroferrera.net>

My blog: <http://ferrerabertran.blogspot.com>

My linkedin: <http://es.linkedin.com/in/pedroferrera>