

Pierre Donat-Bouillud

Education

- ongoing **Master's degree (MSc) in Computer Science (Advanced Degree)**, *Ecole normale supérieure de Rennes*, Rennes.
Former ENS Cachan Brittany branch. It is one of four highly competitive and top ranked French higher institutions which prepare students to become professor/researchers.
- 2012 – 2013 **Bachelor's degree (BSc) in Computer Science (Advanced Degree)**, *Ecole normale supérieure de Rennes*, Rennes, with honours.
- 2012 – 2016 **Awarded State Scholarship of Excellence - "normalien" status.**
- 2010 – 2012 **Post-secondary preparatory classes**, *Lycée Henri IV*, Paris.
 - University-level courses required in preparation for competitive entrance exams into top engineering and graduate schools (France's "Grandes école")
 - Main subjects studied : maths, physics, computer science
- June 2010 **Baccalauréat**, *Lycée Henri IV*, Paris, with high honours.
Main diploma required to pursue university studies.

Research experiences

- May – August 2014 **Intern**, *University College of London*, London.
Automatic music analysis: developed new methods to find dependencies among patterns in a score.
- 2013 – 2014 **School research project**, *INRIA Rennes – Bretagne Atlantique*, Rennes.
Reviewed job schedulers in *Hadoop* and created and evaluated new ones.
- May – July 2013 **Intern**, *IRCAM*, Paris.
Designed and implemented a new algorithm based on rewrite rules on rhythm trees to transcribe musical events in audio or midi into rhythms on a score. Integration in *OpenMusic*.

Computer skills

- Programming languages OCaml, C, C++, Java, Python, Common Lisp, Bash Web HTML/CSS
- Technologies MapReduce, Hadoop
- Environments GNU/Linux (Gentoo), MS Windows
- Misc \LaTeX , tikz, beamer, LibreOffice, emacs

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Research interests

- Formal semantics, type theory
- Music symbolic representation
- Processing, analysis, synthesis of music
- Cloud computing and big data

Languages

French **Native speaker**

English **Fluent**

TOEIC (2013) : 950 / 990

Spanish **Moderate**

Latin **Written** *First prize high school category for the European competition Cicero 2008*

Ancient Greek **Written** *Distinction at French national Ancient Greek competition concours général de grec 2009*

Interests

Music

Since 2001 **French horn player.**

2010 **History of Music**, *Conservatory of music of the 5th district.*, Paris.

Wrote a dissertation about links between interpretation and notation in the Gregorian chant.

2012 – **Harmony and Counterpoint**, *Regional conservatory of music*, Rennes.

present

Sport

Handball Referee for the local French university sport federation.

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