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<http://www.rouquier.org/jb>

Date of birth: June 1<sup>st</sup>, 1982  
Nationality: French

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## Education

### Studies

- 2004–2005 **Master Parisien de Recherche en Informatique**. Université Paris VII *Ranked 6<sup>th</sup>/50*.
- 2002–2004 **École Normale Supérieure de Lyon**. *Admitted 3<sup>rd</sup> at the entrance exam.*  
*Also admitted to Polytechnique and ENS Ulm.*
- 2000–2002 **classes préparatoires aux grandes écoles**, lycée Louis le Grand, Paris.  
Subjects: mathematics, physics, computer science.
- 2000 **Baccalauréat** (approximately GCSE). *mention Très Bien, félicitations du jury.*  
**Concours général mention régionale en mathématiques.**
- 1989–1999 **Classes à horaires aménagés musique**. These courses included up to 10 hours music lessons a week. I learnt the guitar, the piano, solfège (technical skills such as writing the score of the song one hears, or sight reading), singing, composition.

### Research Training

- 2005 **2<sup>nd</sup> year Master training**, ENS Lyon. *Robustness and Emergence in Complex Systems*. (5 months)
- 2004 **4<sup>th</sup> year university training**, University of Michigan.  
*Automatic Detection of Coherent Structures in Cellular Automata*. (2 months)
- 2003 **3<sup>rd</sup> year university training**, INRIA. *Computer vision*. (2 months)

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## Work Experience

- 2005–2008 **PhD in computer science**, ENS Lyon. *On the Robustness of Complex Systems*.
- 2006–2008 **Teaching assistant**, ENS Lyon, *3<sup>rd</sup> year Licence and Master*. algorithms, programming, probabilities.  
[denif.ens-lyon.fr](http://denif.ens-lyon.fr): online archive of teaching material in theoretical computer science.
- 2004–2006 **Teaching assistant (algorithms and programming)**, classes préparatoires (Lyon and Paris).
- 2003–2007 Model answers to exams. **Writing, scientific and typographic proofreading**. H&K publishing.

### Miscellaneous

Plugin [texturize](#) for Gimp (“open-source Photoshop”) (collaboration with Emmanuel Cornet),  
Popularization (lycées, French national science popularization event, Wikipedia).

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## Additional skills

### Languages

French, English (daily written usage, often spoken with foreign researchers), German (written comprehension).

### Computer science

Languages: **OCaml** fluent, **L<sup>A</sup>T<sub>E</sub>X** (local guru), Java, C, C++, LISP, Shell, spreadsheet, PHP, MySQL.  
OS: Linux (Debian, Ubuntu), Windows.

### Miscellaneous

- Attestation de Formation aux Premiers Secours (first aid certificate).
- BAFA (taking care of children during organized holidays). I worked in teams of 8 adults, children aged 8–15.

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## Interests

- Programming (if algorithmically challenging, e.g.: logic puzzle generator/solver)
- Mathematical games (several times 1<sup>st</sup> a national contest, 7<sup>th</sup> at the international [FFJM](#) contest)
- Board games, if requiring strategy and reflexion
- Juggling and circus arts, cards magic (president of the local club for 4 years)
- Photography
- Do-it-yourself, arts and crafts
- Sports: long-distance running, Alpine and cross-country skiing, ski-touring, badminton, sailing.