

Jean-Baptiste Rouquier

Work Experience

- 2014– **Senior Data Scientist**, Dataiku. Data cleaning, predictive analytics, training, customer support, documentation, pre-sales. Technical skills: Machine Learning, Python, Big data, Hadoop, Hive.
- 2012–2014 **Software engineer**, Criteo. Improve the accuracy of machine learning algorithms on bigdata, especially by generating, analyzing and selecting new data. Automate the workflow.
Technical skills: C# (.Net), Java, Hadoop, Git, Unit testing, Agile
- 2011–2012 **Engineer/Researcher**, Eonos Investment Technologies. Machine learning and finance.
Technical skills: OCaml (functionnal programming like F#), Python, R, Linux
- 2009–2011 **Postdoctoral fellow**, INRIA and CNRS, Bordeaux and Paris.
Measure, model, simulate complex systems and complex networks (e.g. social networks); analyse the large datasets collected and their dynamic.
Publications list: www.rouquier.org/jb/research/publications.php
- 2005–2008 **PhD in computer science**, École Normale Supérieure de Lyon, *With honors*.
- 2003–2007 **Writing, scientific and typographic proofreading**, H&K publishing, Model answers to exams.

Miscellaneous

- Science popularizer: talk, radio, booth, articles,
- Consultant for Veolia: design of a large scale, integrated, generic city model,
- L^AT_EX trainer (2 or 3 days sessions, 8 trainees)

Skills

Thanks to my successive research positions, I've learnt to:

- clearly explain abstract concepts to specialists / general audience / students, to one or one hundred people at a time, through formal presentation with slides / written articles / informal conversation,
- quickly learn difficult theoretical topics, with an in-depth understanding,
- work in interdisciplinary and international teams (with physicists, mathematicians, geographers, biologists, software engineers), motivate team members, organize a workshop,
- work autonomously and define the relevant problems to solve, with rigor and creativity.

Theoretical skills Expert in algorithmics (incl. data structures). Proficient in probability, modeling, graphs. General knowledge in theoretical computer science: machine learning (semi-supervised learning, active learning) game theory, operational research, combinatorial optimization, logic, programming paradigms, statistics...

Languages

French: mother tongue. English: TOEIC 990/990.

German: written comprehension, attended classes for 10 years, can reactivate it in a few months.

Miscellaneous

AFPS (first aid certificate). BAFA (teams of 8 adults taking care of children during organized holidays).

Education and awards

- 2011 Offered a research associate (tenured) position at INRA.
- 2004–2005 **MPRI (Parisian Master of Research in Computer Science)**. Rank 6th/50 (1st at final exam).
- 2002–2004 **École Normale Supérieure de Lyon**. Admitted 3rd, also admitted to Polytechnique and ENS Ulm.
- 2000–2002 **Classes préparatoires aux grandes écoles**, lycée Louis le Grand, Paris.
- 2000 **Baccalauréat** (end of High school). *With honors*.
- Concours général (High school national competition)** regional award in mathematics.
- 1989–1999 **CHA**: general school with around 10h music lessons a week plus daily practice. Guitar, piano, solfège (technical skills: sight singing, musical dictation, score proofreading...), singing, composing.

Interests

- Magic (president of the local club, paid performances: 12decoeur.fr), juggling and circus arts;
- Music: piano and guitar (classical), photography, cooking, do-it-yourself and arts and crafts;
- Contemporary board games, if requiring strategy and reflexion;
- Sports: long-distance running, Alpine and cross-country skiing, badminton and squash;
- OpenStreetMap contributor (map of a village, statistics tool, quality assurance, etc.)