Balthazar ROUBEROL

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@BaltoRouberol

Engineering student : Computational biology, Master year

21 years old, french, single

I write code, mostly Python, and I love it. I have fierce self-learning skills and am an open-source enthusiast. I worship G. Van Rossum.

Education

- 2012 : 6 month international exchange at Facultad of Ingeneria, Montevideo, Uruguay
  Study of **data compression** and **high performance calculation**
- 2007-2012 : Bio-computational engineer degree at the National Institute of Applied Sciences (INSA), Lyon, France
- 2007 : Scientific high school degree with honours, engineer sciences option

Skills

- Programming languages : **Python**, **C**/C++, bash, C#.NET, Octave/Matlab
- Statistical & Data-Mining tools : ®, Knime
- Databases : PostgreSQL, MySQL
- Collaborative methods & platforms : **Git/Github**, SVN, UML
- Parallel calculations libraries : PVM, MPI, multiprocess
- Web technologies : Django framework, HTML/CSS
- Operating systems : **GNU/Linux**, Mac OS X, Microsoft Windows XP/7

Work experience

- *April - July 2011* : Developpement of a statistical analysis webapp - A+A - Lyon
- *February - April 2011* : Computational biology project - Spawning of biological networks using **genetic algorithms**
- *November 2010* : Conference « Chromatin is a major player in regulating the stochasticity of gene expression in higher eukaryotic cells », Integrative Post Genomics 2010 (coauthor)
- *June - August 2010* : internship at the Center of Molecular and Cellular Genetics, (CGMC), Campus LyonTech : "Study and modelling of the stochastic expression of the *mCherry* gene"
  Involves **Python high performance** calculations

Languages

- French : native
- **English : fluent** (TOEIC : 980/990)
- Spanish : fluent (6 months spent in Uruguay)
- Arabic, Mandarin : begginer

Hobbies and community life

- Technical writer at isbullsh.it
- Member of the **French Python Association** (AFPY)
- Community life at INSA de Lyon :
  - Person in charge of the financing and coordination of the community life
  - Former secretary of the **open-source softwares association** (GPL)
- Graphism
- Music : guitar (8 years of practice, alone and in a band), bass guitar, singing