

Guillaume Bury

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Credentials

- 2014–current **Computer science thesis in Automated Theorem Proving**, INRIA.
- 2012–2014 **Computer science research master (MPRI)**, *École normale supérieure*.
- 2011–2012 **Computer science bachelor**, *École normale supérieure*.
- 2009–2011 **Classes préparatoires MPSI-MP***, *Lycée Hoche*, Versailles.
Admitted to the École Normale Supérieure in computer science
- 2009 **Scientific Baccalauréat**, *Lycée Passy St Nicolas Buzenval*, Rueil Malmaison.

Experiences

- 2014 **Intern**, INRIA, Paris, France.
Integration of linear arithmetic to Zenon, a first order automated prover which uses the tableau method.
- 2014 **Google Paris Hash code**, Paris, France.
Team contest organised by Google France. Ranked second.
- 2013 **Exchange visitor**, *Stevens Institute of Technology*, Hoboken, USA.
Design and implementation of a small prototype verification-condition generator for relational properties of imperative code acting on first-order heap objects in Why3.
- 2012 **Intern**, *Nexedi*, Lille, France.
Development of re6stnet : a scalable, resilient IPv6 overlay mesh network.
- 2011-2013 **Oral examiner**, *Lycée Hoche*, Versailles.
Training students of scientific classes préparatoires for oral exams in physics

Skills

- Theoretical Theorem proving, SMT Solvers, Data structures, lambda-calculus, linear arithmetic, computer logic
- Practical OCaml, Python, Git, UNIX, Network, L^AT_EX

Languages

- French Mother tongue
- English Fluent

Publications

Guillaume Bury and David Delahaye. Integrating simplex with Tableaux. In *Automated Reasoning with Analytic Tableaux and Related Methods (TABLEAUX)*, LNCS, Wrocław (Poland), September 2015. Springer. To appear.