

Michaël Armand

PhD Student, INRIA Sophia-Antipolis

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Born on 15/08/1987

Schooling

- 2009–2013 **PhD Student**, Nice-Sophia Antipolis University and INRIA Sophia-Antipolis.
- 2006–2009 **Student at ENS Cachan - Brittany Extension, in the Informatics department.**
- 2008–2009 **Master Degree (M2) in Computer Science**, Nice - Sophia Antipolis University.
- 2007–2008 **M1 in Computer Science**, Rennes University I.
- 2006–2007 **Bachelor Degree (L3) in Computer Science**, Rennes University I.
- 2004–2006 **Classe préparatoire MPSI, then MP* (option informatique)**, lycée Thiers (Marseille), Admitted at ENS Cachan - Brittany Extension.
- 2004 **Bac S**, lycée Adam de Craponne (Salon de provence).

Work experience

- 2009–2013 **PhD fellow**, Team MARELLE, INRIA-Sophia Antipolis, under the direction of Laurent Théry and Benjamin Grégoire.
- 2009 **6 months internship**, Team MARELLE, INRIA-Sophia Antipolis, under the direction of Laurent Théry and Benjamin Grégoire.
- 2008 **12 weeks internship**, Theorem Proving Group, TUM, under the direction of Tobias Nipkow.
- 2007 **8 weeks internship**, Team LANDE, IRISA, under the direction of David Pichardie.

Summer Schools

- June 2012 **Second International SAT/SMT Summer School 2012**, Trento, Italy.
- October 2009 **VTSA Summer School 2009: Verification Technology, Systems & Applications**, Nancy, France.

Skills and expertise

Languages: Caml, C, C++, Java, B Proof Coq, Isabelle
assistants:
Softwares: Emacs, LaTeX, Eclipse OS: Linux

Languages

French Native
English TOEIC 750

Publications

- 2012 Michaël Armand, Germain Faure, Benjamin Grégoire, Chantal Keller, Laurent Théry and Benjamin Werner, Une intégration des solveurs SMT dans l'assistant de preuve Coq à base de certificats. In *Journées GDR - GPL - CIEL 2012*, Rennes, Juin 2012
- 2011 Michael Armand, Germain Faure, Benjamin Grégoire, Chantal Keller, Laurent Théry, and Benjamin Werner, A modular integration of sat/smt solvers to coq through proof witnesses. In *First International Conference on Certified Programs and Proofs*, Tawain, December 7-9, Lecture Notes in Computer Science. Springer, 2011

- 2011 Michaël Armand, Germain Faure, Benjamin Grégoire, Chantal Keller, Laurent Théry and Benjamin Wener. Verifying SAT and SMT in Coq for a fully automated decision procedure. In *PSATTT'11: International Workshop on Proof-Search in Axiomatic Theories and Type Theories*, Aug 2011, Wrocław, Poland
- 2010 Michaël Armand, Benjamin Grégoire, Arnaud Spiwack, and Laurent Théry. Extending coq with imperative features and its application to SAT verification. In *Interactive Theorem Proving, international Conference, ITP 2010*, Edinburgh, Scotland, July 11-14, 2010, Proceedings, Lecture Notes in Computer Science. Springer, 2010