Martin Bodin

Appartement 17
48, rue du Clos Sévigné
35 510, Cesson-Sévigné
France

Born the 30th of December 1989.
Phone Number: +33 6 27 00 58 84
martin.bodin@ens-lyon.org
people.irisa.fr/Martin.Bodin/

Education

2012–2016	Ph.D. in Computer Sciences at IRISA, in Rennes under the direction of Alan Schmitt and Thomas Jensen on certified analyses of JavaScript.
2010–2012	*Master d'Informatique* (i.e. a Computer Science Master) in the *École Normale Supérieure de Lyon* (a French *grande École*—i.e. a leading institution of higher education—specialized in the formation of searchers).
2009–2010	*Licence d'Informatique, mention très bien* (i.e. a Computer Science Licence degree, magna cum laude) in the *École Normale Supérieure de Lyon.*
2007–2009	*Classes préparatoires aux grandes Écoles* in the *lycée Henri IV* in Paris (a two-years intensive course preparing to the competitive entrance of *grandes Écoles*).
2007	*Baccalauréat Scientifique, mention très bien* (equivalent to British A-levels with a major in Mathematics, Physics and Biology, magna cum laude).

Languages

- Native in French;
- Fluent in Esperanto;
- Good level in English;
- Notions of German and Portuguese.

Related Experience

2013–	Member of the SecCloud project: www.seccloud.cominlabs.ueb.eu/.
2012–	Member of the JsCert project: jscert.org/.
2012	Internship in Inria at Rennes with Alan Schmitt and Thomas Jensen: *A Certified JavaScript Interpreter.*
2011	Internship in Vrije Universiteit at Amsterdam with Dimitri Hendriks and Jörg Endrullis: *Proving Stream Equalities in Coq.*
2011	Internship in PPS at Paris with Stéphane Gimenez and Christine Tasson: *Sequentialization of proof nets to structures.*
2010	Internship in Vérimag at Grenoble with David Monniaux: *Détection de modes de fonctionnements d'un programme Lustre.*

Conferences

2015   *Certified Abstract Interpretation with Pretty-Big-Step Semantics*, Martin Bodin, Thomas Jensen, and Alan Schmitt (CPP 2015).

2014   *A Trusted Mechanised JavaScript Specification*, Martin Bodin, Arthur Charguéraud, Daniele Filaretti, Philippa Gardner, Sergio Maffeis, Daiva Naudziuniene, Alan Schmitt, and Gareth Smith (POPL 2014).

2013   *Circular Coinduction in Coq Using Bisimulation-up-to Techniques*, Jörg Endrullis, Dimitri Hendriks, and Martin Bodin (ITP 2013).

2011   *Modular Abstractions of Reactive Nodes using Disjunctive Invariants*, David Monniaux and Martin Bodin (APLAS 2011).

Workshops

2016   *An Abstract Separation Logic for Interlinked Extensible Records*, Martin Bodin, Thomas Jensen, and Alan Schmitt (JFLA 2016).

2014   *Certified Abstract Interpretation with Pretty-Big-Step Semantics*, Martin Bodin, Thomas Jensen, and Alan Schmitt (JFLA 2014).

2013   *Pretty-big-step-semantics-based Certified Abstract Interpretation (Preliminary version)*, Martin Bodin, Thomas Jensen, and Alan Schmitt in *Semantics, Abstract Interpretation, and Reasoning about Programs: Essays Dedicated to David A. Schmidt on the Occasion of his Sixtieth Birthday*, volume 129 of EPTCS, pages 360–383.

2013   *A Certified JavaScript Interpreter*, Martin Bodin and Alan Schmitt (JFLA 2013).

Computer Proficiencies

- Good commands in the following programming languages: Coq, JavaScript, LaTeX, OCaml…

- Familiar with GNU/Linux as an operating system.

- Able to use Vim, Git, The Gimp, Inkscape, Graphviz…

Association experience

2014–2015   Active member of Espéranto-Rennes.

2012   Treasurer of the theater association ASCREB in Rennes

2010   Secretary of the INFO-ENS association in Lyon.

Other Experiences

2014   Software design and verification, M1 tutoring in the *École Normale Supérieure*

2013–2014   Formal Languages, tutoring for L3 students in the *École Normale Supérieure*

2013   Introduction to Scheme, tutoring for L1 students in the Insa of Rennes

2012, 2014 Monitoring the algorithmic practice examination for the entrance of the *École Normale Supérieure*.

Personnal Interests

- Board games, card games, improvisation games, role playing games, etc.

- Esperanto related activities.