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# François Dupressoir

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**Post-Graduate Student** in computer science

## CONTACT INFORMATION

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## RESEARCH INTERESTS

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- Programming languages: compilation, semantics, abstract interpretation
- Foundations: proofs, categories and types
- Security and verification.

## EDUCATION

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- **Ph.D. “Verifying Implementations of Security Protocols in C” – The Open University – Funded by the Microsoft Research Ph.D. Scholarship Programme.** *2008-Present*  
**Supervisors: Jan Jürjens, Andrew Gordon, Bashar Nuseibeh.**
  - Marktoberdorf Summer School on Logics and Languages for Reliability and Security, Marktoberdorf, Germany. August 2009.
  - Microsoft Research Summer School, Cambridge, UK. July 2009.
  - Midlands Graduate School on the foundations of computer science, Leicester, UK. April 2009.
  - Globan Summer School on global computing, Warsaw, Poland. September 2008.
- **Magister “Computer Science and Telecommunications” – École Normale Supérieure de Cachan - Antenne de Bretagne.** *2007-2008*  
**M2 (M.Sc.) – IFSIC, Rennes, France.**
- **M1 (First Year Master’s) in theoretical computer science – École Normale Supérieure de Lyon.** *2006-2007*  
**Exchange program at the university of Calgary, Canada.**  
**Entrance exam to ÉNS Cachan.**
- **L3 (B.Sc.) in theoretical computer science – École Normale Supérieure de Lyon.** *2005-2006*
- **Lycée Joffre, Montpellier.** *2002-2005*  
**Preparation to entrance exams for engineering schools.**

## WORK EXPERIENCE

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- **European Microsoft Innovation Centre, Aachen, Germany.** *April 2010-July 2010*  
**Ph.D. Intern**

- **LANDE team – IRISA, Rennes, France.** *February 2008-July 2008*  
**Graduate research assistant**  
 – *Code and Proof Obfuscation*, supervised by David Pichardie.
- **Programming Languages Lab – University of Calgary, Canada.** *May-August 2007*  
**Undergraduate research assistant**  
 – *Deforestation of Functional Programs*, supervised by Robin Cockett.  
 – Participated in the Foundational Methods in Computer Science 2007 workshop, in Hamilton, NY with a short talk: *A Tree Transducer Approach to Deforestation*.
- **TAL team – LIRMM, Montpellier.** *June-July 2006*  
**Undergraduate research assistant**  
 – *Using the syntactic construction of (French) verbs to evaluate the semantic importance of their complements*, supervised by Mehdi Yousfi-Monod and Augusta Mela.

## **PUBLICATIONS**

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### **Conferences:**

- *Guiding a General-Purpose C Verifier to Prove Cryptographic Protocols*, with Andrew D. Gordon, Jan Jürjens and David A. Naumann. To appear in CSF'11.

### **Workshops:**

- *Verifying C Implementations of Security Protocols Using a General-Purpose C Verifier*, with Andrew D. Gordon and Jan Jürjens. ASA-4 workshop, FLOC, July 2011.

### **Theses:**

- Master thesis: *Code and Proof Obfuscation*, supervised by David Pichardie. 2008. Université de Rennes II, Rennes, France.
- Undergraduate thesis: *Deforestation of Functional Programs*, supervised by Robin Cockett. 2007. University of Calgary, Alberta, Canada.
- Undergraduate thesis (in French): *Using the syntactic construction of (French) verbs to evaluate the semantic importance of their complements*, supervised by Mehdi Yousfi-Monod and Augusta Mela. 2006. LIRMM, Montpellier, France.

## **LANGUAGE PROFICIENCY**

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**French:** native

**English:** bilingual

## **REFEREES**

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**Dr. Andrew D. Gordon** (adg@microsoft.com), principal researcher at Microsoft Research  
 Cambridge  
 Microsoft Research  
 Roger Needham Building  
 7 J J Thomson Ave  
 Cambridge CB3 0FB  
 United Kingdom  
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**Pr. Jan Jürjens** ([jan.jurjens@cs.tu-dortmund.de](mailto:jan.jurjens@cs.tu-dortmund.de)), professor at TU Dortmund  
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