

Florent Kirchner

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Birth date: February 16th, 1979  
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## Education

- 1985 – 1986 El Carmelo School, Palo Alto, USA  
First Grade.
- 1986 – 1994 Scholarship in Nancy, France.
- 1994 – 1997 Lycée Stanislas, Nancy, France  
Major in Mathematics  
Qualification: in July 1997, Baccalauréat degree with honors.
- 1997 – 1999 Lycée Poincaré, Nancy, France  
Preparatory classes for entrance to *Grandes Ecoles*  
Admission to ENAC.
- 1999 – 2001 Course at ENAC (National Civil Aviation School), Toulouse, France  
Major in Computer Science and Air Traffic Management  
Qualification: in September 2002, Engineering degree, Pegasus Award.
- 2001 – 2002 Masters degree course at IIT (Illinois Institute of Technology), Chicago  
Major in Computer Science  
GPA 3.750.
- September 2002 Admission to *École Normale Supérieure* as a third year student.  
Major in Computer Science.
- 2002-2003 DEA Programmation: Sémantique, Preuves et Langages of Jussieu, Paris, France.  
Qualification: in September 2003, DEA degree with honors.
- Since 2003 Ph.D thesis in Computer science at INRIA-Futurs and NIA. of Saclay, Paris, France.  
Formal semantics of proof languages.

## Work Experience

- 1996 Summer internship at RHEA, Paris, France (1 month)  
Digital processing of radar imaging.
- 2001 Summer internship at ICASE, NASA Langley Research Center, Virginia, USA (6 weeks)  
Design and implementation of airborne conflict resolution algorithms.
- 2002 ENAC internship at Dassault, Paris, France (6 months)  
Design and implementation of an UCAV mission planning tool.
- 2003 DEA internship in the LogiCal team, Saclay, France (6 months)  
In cooperation with NIA, NASA Langley Research Center, Virginie, USA  
Formalization and implementation of a strategy language common to Coq and PVS.

## Publications

- 2002 Alfons Geser, César Muñoz, Gilles Dowek and Florent Kirchner,  
*Air Traffic Conflict Resolution and Recovery*,  
NASA/CR-2002-211637 ICASE Report No. 2002-12.
- 2003 Florent Kirchner,  
*Coq Tacticals and PVS Strategies: A Small Step Semantics*,  
in Design and Application of Strategies/Tactics in Higher Order Logics,

## Miscellaneous

- Spoken languages: French, mother tongue  
English, fluently (TOEFL : 270/300, GRE : 1740/2590)

German.

Sports: Trampoline (BF-1 diploma), snowboard, roller.

Music: Piano, Bass guitar.