Pierre Boutillier

Nationality : French
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Education

2014   PhD in computer sciences of Université Paris Diderot
2011   Diploma of ENS de Lyon

Work experience

2010 –   The Coq Proof Assistant developer (involved in the coordination of the development team)

2014 – 2015 PostDoc under the coordination of the Fontana Lab (Harvard Medical School)
        Improvement of the KaSim software for the DARPA project ExeK

July 2014 Consulting   GEH team (Institut Pasteur)
        Complete rewriting of the biostatistical software Selink

2013 – 2014 Assistant lecturer   Computer sciences department Université Paris Diderot

2010 – 2013 Teaching assistant (while PhD candidate)   Université Paris Diderot
        πr² team (INRIA Rocquencourt) and PPS laboratory (Univ Paris Diderot – CNRS)
        Title : New tools to compute with inductive in Coq

Febuary – July 2010 Master 2 internship   πr² team (INRIA Rocquencourt)
        Title : Dependent pattern matching in Coq

May – July 2009 Master 1 internship   MSP team (Strathclyde university, Glasgow)
        Title : Decide equality in a λ-calculus with lists

June – July 2008   Plume team of LIP lab (ENS Lyon)
        Title : Termination in π-calculus

2005 – 2013 Supervisor of sciences activities with young people   Planète Sciences
        Summer camp and after school activities in robotics and high-altitude balloon

Personal skills

Language: French (mother tongue) – English (fluent)

Organization skill :
        President of ENS Lyon student union (2008-2009)
        Managing summer camp for young
        Undergraduate student supervision
        Member of the board of the non profit organization Planète Sciences
        Referring and organizing contest in Badminton & robotics

Technical skill:
        Knowledge in electronics and telemetry
        Able to make any part of a robot

Computer skill:
        OCaml specialist, strong knowledge in all paradigms of programmation and free software development tools. Able to teach UNIX.
        Free software enthusiast despite/because of a long experience in maintaining software under MacOS X

Divers : Driving license and first-aid certificate