

Personal details

- ZAKOWSKI Yannick
- Nationality : French, born in Dijon, March 19 1990
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Education

Since 2014 PhD student in the [Celtique](#) team under the supervision of [David Cachera](#) and [David Pichardie](#). We are overall notably interested in the formalization in the Coq proof assistant of realistic compilers for realistic languages. My current primary line of work is more specifically concerned with the proof of concurrent linearizable objects, and in particular through the use of rely/guarantee Hoare-style logics.

2010 - 2014

2013/2014 One year internship at the Aarhus University, in the Logics and Semantics group, under the supervision of [Lars Birkedal](#) and [Filip Sieczkowski](#). I notably worked with Filip to build semantic models and formalize their correctness in Coq using his recently designed library for solving recursive domain equations. This line of work notably led to the [ModuRes](#) tutorial. Two reports can be found respectively [here](#) and [there](#).

2012/2013 Student in third year of the Computer Science and Telecommunications Department at the [Ecole Normale Supérieure de Cachan - Brittany extension](#), and in second year of the research in computer science [master](#) at the University of Rennes 1.

5-month internship in the project-team [Celtique](#), INRIA / ENS / CNRS Rennes-Bretagne Atlantique.

The subject is “Generation of polynomial inequalities as invariants”.

The preliminary bibliography is available [here](#). The main report can be found [here](#)

Summer 2012 3-month internship in the [computer security department](#) of the Chalmers University.

The subject was “Programming With Information Flow-Control: the Paragon language”}.

(A report is available, in english, [here](#).)

2011/2012 Student in second year of the Computer Science and Telecommunications Department at the Ecole Normale Supérieure de Cachan - Brittany extension, and in first year of the computer science master at the University of Rennes 1.

Summer 2011 2-month internship in the project-team [Celtique](#) , INRIA / ENS / CNRS Rennes- Bretagne Atlantique.

The subject was “Fast inference of polynomial invariants for imperative programs”.

(A report is available, but only in French, [here](#).)

2010/2011 Student in first year of Computer Science and Telecommunications at the Ecole Normale Supérieure de Cachan, Brittany extension.

At the same time bachelor of Computer Science (University of Rennes 1) and bachelor of Mathematics (University of Rennes 1).

2007-2010

CPGE (“Classes préparatoires aux grandes écoles” the Classes Préparatoires are a two- or three-year curriculum, training undergraduate students for enrollment in one of the French Grandes Ecoles) Lycee Fabert, Metz :

- First year : MPSI Mathematics, Physics, Engineering science and Computer Science.
- Second year : MP Mathematics, Physics and Computer Science.
- Third year : MP Mathematics, Physics and Computer Science.

2006-2007 Lycee Fabert, Metz :

- Baccalaureate S (Science), specialization : Mathematics - with greatest honors.

Additional Informations

- Spoken languages : French (mother tongue), English (fluent, TOEIC score 980/990), Spanish (low level).
- Programming languages: Coq, Caml, Haskell, Java, Python, Latex.
- Driving licence.