

# Philippe Wang

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2007 2010

**PhD Student in Computer Science**  
at LIP6 (advisor: Emmanuel Chailloux)

## Qualifications

At [Université Pierre et Marie Curie](#) (UPMC/Paris 6)

2006 2007

**Master in Information Technology (M2)**

Software Science & Technology - Algorithms & Programming

2002 2005

**Bachelor in Computer Science**

## Competence

*Particular Interests*

**Objective Caml**, Language Transformation,  
Typing, Abstract Machines

*Languages*

Compiled	Objective Caml, C, Java
Web	Php, MySQL, XHTML/CSS, JavaScript
Shell	Gnu Bash, TCSH
Documents	L <sup>A</sup> T <sub>E</sub> X 2 <sub>ε</sub>
Others	ASM JVM, ASM 8086, Awk, Sed, Gnu Make, XML, Perl, Scheme, E-lisp, ...

*Hardware*

PC & Mac,  
Desktop (wired and wireless) Network Equipement.

*Systems*

Unix (Mac OS X, Gnu/Linux), Microsoft Windows

*Miscellaneous*

Emacs, The Gimp/Photoshop CS, Apple iWork/iLife,  
OpenOffice.org, Microsoft Office, ...

*Languages*

**English** (fluent, read, written),  
**Chinese** dialect (fluent)

## Experiences

April to September 2007

Internship at [LIP6](#) (Univ. Paris 6)

“Applicative Languages and Abstract Machines”

JVM back-end implementation for OCaml

July & August 2006

Internship at [Laboratoire PPS](#) (Univ. Paris 7)

Development of an alternative compatible run time  
library for Objective Caml, and of a prototype for  
OCaml code MC/DC measure. [Publication](#) in [JFLA](#)  
2007.

July 2006

**International Programming Contest**

My team (PLOP) is ranked 6<sup>th</sup> in the [Programming Contest](#) organised by [ICFP 2006](#)

(web: [icfpconference.org](http://icfpconference.org) ; [icfpcontest.org](http://icfpcontest.org) ; [boundvariable.org](http://boundvariable.org))

February to June 2006

**M1 STL project**

Development of a pedagogic Caml to C compiler, with  
type conservation at run time. I defined the abstract syn-  
tax tree and implemented the static type checker. These  
elements were reused to develop the prototype of Caml  
code coverage measure.

## Teaching

**“Senior Teaching Assistant” (Moniteur) at UPMC**  
2007/2008

2 gr TME LI101 Recursive Programming (Scheme),  
1 gr TME LI105 From Chip to Web (multi languages),  
1 gr TME LI213 Types & Data Structures (OCaml)

## Publications

[1] [Couverture de code Caml pour la réalisation d’outils de développement certifiés](#)

by Bruno Pagano, Benjamin Canou, Emmanuel Chailloux,  
Jean-Louis Colaço and Philippe Wang,  
[Journées Francophones des Langages Applicatifs 2007](#)

## Other Interests

**Association des Étudiants en Informatique de Paris 6** (<http://www.aeip6.com/>)

Active member since 2005: participation in forum ani-  
mation and events organisation

Organiser of lectures on Objective Caml, L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>,  
Unix/Linux, ...

Secretary (2006/2008): writing of meeting reports, ...  
Newsletters graphical conception, ...

## Cooking

Long interested experience in cooking

(Asian, Occidental and Mixed flavours)

I’ve written some recipes (in French) :

<http://philippewang.info/cuisine/>.

## Reading and Writing

In French just like in English:

**Reading:** novels, short stories, ...

**Writing:** I’ve started writing short stories in 2006.

## Wikipedia.org

I participate in the French Wikipedia.

## Others

Photography as an example: I’ll make a web site of my  
pictures when I have time...

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