

Viviane Pons

Education

- 2010–2013 **PhD (in progress)**, *Marne-la-Vallée University*.
Topic: algebraic combinatorics. Advisors: Jean-Christophe Novelli and Jean-Yves Thibon.
- 2008–2010 **Master's degree**, *Marne-la-Vallée University*, with honors.
Topic: computer science, major: combinatorics.
- 2003–2006 **Bachelor's degree**, *Marne-la-Vallée University*, with honors.
Topic: Computer science and mathematics.
- 2003 **Baccalauréat**, *Lycée Gérard de Nerval*, Noisiel, with honors.
Major: science and mathematics.

Conferences

- May 7-12, 2012 **SAGE Days 38**, CRM, Montreal.
Bases of multivariate polynomials
- March 25-28, 2012 **Séminaire Lotharingien de Combinatoire 68**, *Domaine Saint-Jacques*, Ottrot.
A Pieri formula for double Grothendieck polynomials
- June 13-17, 2011 **FPSAC**, Reykjavik.
Software presentation: Multivariate polynomials in Sage
- March 9-12, 2011 **Séminaire Lotharingien de Combinatoire 66**, Ellwangen.
Software presentation: Multivariate polynomials in Sage

Publications

- 2011 **Séminaire Lotharingien de Combinatoire 66**.
Multivariate Polynomials in Sage

Teaching

- 2010–2012 **Teaching assistant**, *Marne-la-Vallée University*.
C language
Java language
Automata
PHP and MySQL
Computer architecture

Positions of responsibility

- 2011 **Student representative for the doctoral school**.
Attending doctoral school meetings, taking part into decisions concerning the thesis organisation and rules.
- 2011 **Organizing the Doctoral School Day**.
Scientific event organized each year by the doctoral school and the student representatives, where students from different fields give presentations to other students.

2010–2011 **Student representative for the university.**
Attending university meetings to take part and vote for general university decisions (teachings, rules, fundings, ...).

Other work experiences

2008-2010 **Freelance Web Developer.**
Specialized in Wordpress, building themes and websites for small companies.

2006-2008 **Java Web Developer, In1 Solutions, Swords, Ireland.**
Backend and frontend development in Java, HTML, JavaScript for hotel websites and booking engine softwares.

Skills

Computer science

Programming languages C, Java, Python, PHP

SAGE Sage user and contributor, especially to Sage-Combinat with a package on multivariate polynomials

Web programming HTML, CSS, JavaScript, PHP and MySQL, Wordpress

Languages

English fluent