

# Simon Boyer

*Ph.D. Student*

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## Personal

French citizen.

## RESEARCH INTERESTS

Analytic number theory, additive number theory, diophantine analysis, Hardy-Littlewood circle method, Vinogradov's mean value theorem, oscillatory integral.

### Talks

- February 24, 2015 **Points rationnels sur une intersection de formes diagonales**, *Combinatorics and Number Theory Colloquium, ICJ*, Lyon, France.
- May 20, 2014 **Analysis on systems of diophantine equations**, *Colloquium "Inter'Actions"*, ICJ, Lyon, France.

### Conferences attended

- September 09-13, 2014 **Summer School : Gaps Between Consecutive Prime Numbers**, *LPP*, Lille, France.
- July 11-18, 2014 **Workshop on Analytic Number Theory: "Enfant - Elefant"**, *HCM*, Bonn, Germany.
- May 19-23, 2014 **Colloquium: "Inter'Actions"**, *ICJ*, Lyon, France.
- February 10-14, 2014 **Workshop on "Prime Numbers: New Perspectives"**, *CIRM*, Marseille, France.
- January 27-28, 2014 **The ternary Goldbach conjecture is true (Harald Helfgott)**, *ICJ*, Lyon, France.
- June 13-15, 2012 **Young Researcher Colloquium in Number Theory**, *IEC*, Nancy, France.
- November 26, 2012 **Ph.D. Students Day of Analytic Number Theory**, *ENS*, Lyon, France.

### Research Internship

- June and July, 2008 **Bachelor Internship**, *Independent University*, Moscow, Russia.  
Field: Algebraic Topology  
Advisor: V. Prasolov

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## EDUCATION

- 2013-2016 **Ph.D., Mathematics**, *Institut Camille Jordan*, Lyon, France.  
(expected) Title (expected) : Integer representation and distribution of arithmetical functions  
Advisors: O. Robert and É. Mosaki
- 2012-2013 **"Agrégation de Mathématiques" examination**, *Université Claude Bernard*, Lyon, France.
- 2011-2012 **M.Sc., Mathematics**, *Université Claude Bernard*, Lyon, France.  
Master's thesis titled "The Shnirel'man-Goldbach theorem".  
Advisor: É. Mosaki
- 2009-2010 **Police Officer preparatory school, Law**, *Institut des Études Judiciaires, Université Jean Moulin*, Lyon, France.
- 2009 **First year of Master's, Mathematics**, *Uppsala Universitet*, Uppsala, Sweden.
- 2007-2008 **B.Sc., Mathematics**, *École Normale Supérieure*, Lyon, France.
- 2006-2007 **B.Sc., Mathematics**, *Université Claude Bernard*, Lyon, France.
- 2004-2006 **Preparatory school, Mathematics and Physics**, *CPGE Jean Perrin*, Lyon, France.

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## TEACHING

- 2013-2015 **Teaching Assistant**, *IUT*, Lyon, France.  
Tutoring undergraduate students in mathematics 128 hrs.
- 2012-2013 **Examiner**, *Three different preparatory schools*, Lyon, France.  
Preparing students for oral examinations in mathematics 5 hrs/week (32 weeks).
- 2011-2012 **Teacher**, *Collège Christiane Bernardin*, Francheville, France.  
Teaching mathematics in a secondary school 6 hrs/week (16 weeks).
- 2010-2011 **Language Assistant**, *Inver College*, Carrickmacross, Ireland.  
Teaching french in a secondary school 10 hrs/week (32 weeks).

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## LANGUAGES

- French **Mother tongue**  
English **Fluent**

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## PERSONAL INTERESTS

Literature, poetry, travel, role-playing games, linguistics, philosophy.