

# Curriculum Vitae

## Federico Ferrari

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### EDUCATION

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- PhD student in Statistics, Duke University, Durham NC (US)** *Aug. 2017 - present*  
First Year Advisor: Mike West
- Senior Allievo, Collegio Carlo Alberto, Moncalieri (Italy)** *Sept. 2015 - July 2017*  
Master in Statistics and Applied Mathematics *with distinction*
- University of Torino (Italy), Department of Mathematics** *Sept. 2015 - July 2017*  
M.Sc. in Stochastics and Data Science  
Final grade: 110/110 *cum laude*  
Thesis: *Multi-armed bandit for species discovery: An application to Political Polls*  
Supervisor: Stefano Favaro
- University of Lund (Sweden), Department of Statistics** *Aug. 2014 - Jan. 2015*  
Erasmus+ Exchange Student
- University of Bologna (Italy), Department of Economics** *Sept. 2012 - July 2015*  
B.A. in Economics and Finance  
Final grade: 110/110 *cum laude*

### WORK EXPERIENCE

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- Rugby Coach** *Aug. 2012 - June 2013*  
*Rugby Coach at "Rugby Parma" for kids between 6 and 8 years old*
- Bookseller** *Feb. 2011 - present*  
*Bookshop "Sessanta BPM" for the months of August and December every year*

### SCHOLARSHIPS AND AWARDS

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- Applied Bayesian Statistics School, Como (Italy)** *Aug. 2016*  
*Scholarship covering registration fee and housing expenses*
- Allievi Honors Program full Scholarship, Collegio Carlo Alberto** *Sept. 2015- present*  
*Scholarship covering university fees and housing expenses*
- Erasmus+ Scholarship , University of Lund (Sweden)** *Aug. 2014-Jan. 2015*  
*EU Scholarship partially covering the costs of a semester of study abroad*

**National Mathematical Olympiad Team Challenge, 10th position**  
*National team competition of the Math Olympiad at high school level*

*June 2011*

**"Coppa Galois" Team Challenge, 1st position**  
*Math regional team competition at high school level*

*April 2011*

## **SEMINARS AND SUMMER SCHOOLS**

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**Random partitions and dependent processes , Turin (Italy)**

*Nov.-Dec. 2016*

Lecturer: Prof. Ramses H. Mena, UNAM (Mexico)

**Tutorial Course on Partial Differential Equations, Turin (Italy)**

*Sept. 2016*

Lecturer: Prof. S. Coriasco, University of Turin

**Applied Bayesian Statistics School, Como (Italy)**

*Aug. 2016*

*"Bayes, Big Data and the Internet"*

Lecturer: Steve Scoot, Director of Statistics research at Google

**Lévy processes, Turin (Italy)**

*May 2016*

Lecturer: Prof. Andreas E. Kyprianou, University of Bath (UK)

**Boundary Classification for Diffusion Processes, Turin (Italy)**

*May 2016*

Lecturer: Prof. Goran Peskir, University of Manchester (UK)

## **PERSONAL SKILLS**

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### **Languages**

**English:** Good knowledge  
**TOEFL exam** (October 2016): 99/120 overall  
**IELTS exam** (June 2013): 7/9 overall  
*Currently attending MA lectures in English*

**Italian:** Native speaker

### **Computer Skills**

Python (including Spyder and IPython )  
R, Gretl  
Matlab  
L<sup>A</sup>T<sub>E</sub>X

### **Other Skills**

**GRE exam** (Oct. 2016):  
Quantitative 168/170  
Verbal 159/170  
Analytical Writing 3.5

## **EXTRA-CURRICULAR ACTIVITIES**

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### **Rugby Player**

*Aug. 2004-July 2015, Aug. 2016-present*

*Playing at Rugby Parma in youth team and B League*

*Now playing at Cus Torino in B League*

*With University of Bologna 3rd at National University Championship in 2014, 4th in 2012*

### **Student Elected Representative**

*Sept. 2011- July 2012*

*Representative at provincial student organization during high school*