

Education & Credentials

- **Harvard University** Cambridge, MA
Master Candidate Sep. 2011 - Dec 2012
 - Degree: Master of Arts in Statistics (expected date of graduation: March 2013)
- **Ecole Centrale Paris** Châtenay-Malabry
Master Candidate Sep. 2008 - June 2010
 - Degree: Master of Science (expected date of graduation: December 2012)
 - Degree: Bachelor of Science (June 2009)
 - Description: One of France's most prestigious "Grandes Ecoles" (Master's level engineering school)
- **Classes Préparatoires**
Completed Sep. 2006 - 2008
 - Description: Intensive lessons in mathematics and sciences in preparation for the competitive entrance exams to the french "Grandes Ecoles".
- **Baccalauréat**
Completed July. 2006
 - Description: National High School degree, obtained with "mention très bien et félicitations du jury" (highest distinction) .

Research & School Projects

- **Bayesian models for PTM quantitation**
Harvard University Aug. 2012 - present
 - Supervisor: Prof. Airolidi
 - Designed and implemented a Bayesian model for the quantitation of PTM (post translational modifications)
- **Approximating Lognormal Convolutions**
Harvard University June 2012 - present
 - Supervisor: Prof. Airolidi
 - Developed a novel method for approximating lognormal convolutions for use in sampling mechanisms
- **DNA Processing**
Weizmann Institute of Science July 2010 - Jan. 2011
 - Supervisor: Prof. Ehud Shapiro
 - Designed algorithm for efficient identification and extraction of shared fragments in DNA Libraries
- **Parametric Model-Checking for Genetic Regulatory Networks**
Applied Mathematics and Systems Department (MAS), ECP Jan. 2010 - June 2010
 - Supervisor: Prof. Aiguier and Prof. Le Gall

- Converted Genetic Regulatory Networks to Parametric Transition Systems using Linear Temporal Logic (LTL) and Büchi Automata.

- **Agent-based Simulator of Order Book Dynamics** Châtenay-Malabry
Applied Mathematics and Systems Department (MAS), ECP *Sep. 2009 - June 2010*
 - Supervisor: Prof. Muni-Toke
 - Designed algorithms reproducing the behaviour of Hedge Funds on financial markets
 - Implemented the algorithms on the department's existing simulator
 - Analysed the impact of different sets of parameters on the Hedge Fund's behavior

Professional Experience

- **Harvard University** Cambridge, MA
Research Assistant (Airolti Lab) *May 2012 - present*
- **Harvard University** Cambridge, MA
Teaching Fellow *Jan 2012 - May 2012*
- **Saint-Gobain** Paris, France
Internal Audit Department - Intern *Jan 2011 - July 2011*
- **Weizmann Institute of Science** Rehovot, Israel
Department of Applied Mathematics and Computer Science - Intern *July. 2010 - Jan 2011*
- **Remy Cointreau USA** New-York, NY
Corporate Marketing - Intern *June. 2009 - Aug. 2009*
- **Tutor** Paris
Mathematics and sciences - Tutor *Sept. 2008 - July 2010*
- **Mitsubishi Motors Senegal** Dakar
Mechanics in a team of five people *July. 2007*

Computer / Language Skills

- **Language**
 - French: Fluent
 - English: writing and speaking proficiency (TOEFL: 116)
 - Spanish: Listening proficiency
- **Programming**
 - Languages: Python, R, Haskell, Common Lisp, C/C++.

Awards & Fellowships

- Jean Gaillard Fellowship (\$35000)