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## EDUCATION AND TRAINING

2007-2008 : **Master of science** : “civil and environmental engineering”.

**Massachusetts Institute of Technology** – Boston, USA.

**Universita di Genova** – Genoa, ITALY.

**ENGES** – Strasbourg, France

2005 - 2007 : “**Grande école**” **ENGES** (Ecole Nationale de l’Eau et de l’Environnement/National school for water and environmental sciences), linked to **University Louis Pasteur** – Strasbourg.

2003 – 2005 : **Classe préparatoire aux grandes écoles** – Toulouse, FRANCE.

– Two years of highly competitive undergraduate studies to enter engineering school.

## WORK AND RESEARCH EXPERIENCE

September 2008 to present: **Ph.D.** Student at Ecole Polytechnique de Lausanne (**EPFL**) in **urban hydrology**. Modeling water contaminants origin and fate. Micropollutants in the environment.

September 2008 to June 2009: **research engineer** at the Centre d’Etudes Spatiales de la BIOSphère (**CESBIO**), a laboratory directed by the **CNRS** and the **CNES** – *Biomass project: measuring Biomass worldwide from space*, a project of the European Space Agency (**ESA**), directed by professor Thuy Le Toan (**CESBIO**) – Toulouse, FRANCE.

2008 : **MIT** – *Impact of aquatic plant Zostera Marina on wave damping* - Research project, adviser: Prof. Heidi NEPF – USA.

2007 : **CIMA** (university research center, university of Genoa) – *Study on the reliability of a hydrological model* – Research project, adviser: Prof. Giorgio BONI – Genoa, ITALY.

2007 : **Pennsylvania State University** - *carbon addition to assist in de-nitrification* – Professional internship, adviser : Prof. Brian DEMPSEY – State College, USA.

2005 : **Malet Sud** (civil engineering company) – *various activities for the restoration of the Garonne’s shores* – Professional internship – Toulouse, FRANCE.

2004 to present : Possess an extensive background in **teaching** various subjects namely Mathematics, Linguistics, Physics, environmental sciences.

## HONOURS AND COMMUNITY SERVICES.

2007 : **Selected to assist the European Union** in the organisation of an international event to promote tolerance of various controversial cultural methodology (European Truck Tour 2007).

2006 – 2007 : **Head of class** - represented the students during professors and staff meetings. Consulted on the education program and the politics of the Engineering School.

2006 – 2007 : Facilitated sporting activities at The University Louis Pasteur in various capacities, whilst actively participating on the Rugby Team (**university rugby coach**).

2005 – 2006 : **Competed on the Strasbourg Rugby Team at a semi-professional level.**

## OTHER SKILLS

1996 – now : Represented various rugby team as a player.

**Languages** : - **French**, mother tongue, **English**, fluent, **Italian**, fluent, **Spanish** basics.

**Computer skills**: control of pack Office, Matlab, ENVI, SWMM.

Driving licence.