

CURRICULUM VITAE

Giulia Marchetti

Born in Rome, 14 May 1991

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Education

Oct 2014 – Jul 2017

Politecnico di Milano, Milan, Italy

Master of Science in Environmental and Land Planning Engineering, graduated on July 27th, 2017.

Final grade: **106/110**

Modules included: Statistics, Remote sensing, Ecosystem Conservation and Management, Mathematical modeling and simulation, Water Treatments, Soil Remediation, Solid Waste Management and Treatments, Land hydraulic defence, Climate Change Mitigation, Water and Food Security.

Master Thesis title: "Overall grain size mapping from Sentinel 2 images". Advisor: Prof. Andrea Castelletti. Co-advisors: Simone Bizzi, Patrice Carbonneau, Barbara Belletti.

Feb 2017 – April 2017

Durham University, Geography department, Durham, UK

Master thesis research

Sept 2010 - Dec 2013

Università degli studi di Roma 'La Sapienza', Rome, Italy

BSc in Environmental Engineering, graduated on December 18th, 2013.

Final grade: **107/110**

Bachelor Thesis title: "Equivalency of liners in landfill".

Sept 2005 - Jul 2010

High School, Liceo Classico Statale "Terenzio Mamiani", Rome, Italy

Final grade: **97/100**

Work experience

Sept 2017 - ongoing

Politecnico di Milano, Milan, Italy

Research collaborator at Department of Electronics, Information and Bioengineering (DEIB).

Jan 2011 - Jun 2011

Organic farm "**Casale vecchio**", Rome, Italy

Working period in organic farming and social agriculture: helping people with Down syndrome to collect vegetables and optimizing delivery of products to buyer groups.

Skills developed: work management, interaction with different actors (Down syndrome adults, producers, buyers), organizational skills.

2011 - 2016

Private Tutor for students between 10 to 18 years old (Main Subjects: Math, Physics, Chemistry)

Skills developed: class planning, teaching skills and ability to work with young students.

Training experience and other activities

Jul 2017

Training course on GNSS (Global Navigation Satellite System) Trimble R10, **ISPRA**, Rome, Italy.

February 2016 – Currently

Member of **CIRF** (Centro Italiano per la Riqualificazione Fluviale), attending several workshops and seminars.

March 2016 - Jul 2016

Mountaineering course at **CAI-SEM** section in Milan, Italy.

Jun 2014 – July 2014

BEST (Board of European Students of Technology) Summer Course, 'Save the last element: recycling the past and building the future', **University of Ghent**, Belgium.

Jul 2009

Bosnia-Erzegovina, working camp in Sarajevo and Srebrenitza, volunteering in childhood assistance and school support.

Language Skills

Italian: mother tongue

English: advanced

Portuguese: working knowledge

French: basic

Computer Skills

Operating Systems: MS Office: Word, PowerPoint, Excel.

Geographic Information Systems: GRASS, QGIS, ArcGIS, SagaGis, HecRas.

Programming languages: Matlab, Fortran.

Others: Photoscan, Basegrain.

Hobbies and Personal Interests

Playing sports, in particular Athletics (agonistic level for 5 years), rock climbing, skiing.

Travelling: extensive experience in Europe, USA and Asia; interested in intercultural exchanges and multicultural dialogue within travelling.

Passion for singing: Member of a high school group as soloist singer after a singing training period.