

CONSTANTIN SANDU

Date of birth 30/06/1988
Place of birth Brasov (Romania)
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WORK EXPERIENCE

	01/11/2015 – today
<i>Position</i>	PhD student
<i>University</i>	Politecnico di Torino (DIST - Dipartimento Interateneo di Scienze, Progetto e Politiche del Territorio) Italy
<i>Course</i>	Urban and Regional Development
<i>Personal Main Activity</i>	Data extraction and validation algorithms for environmental analysis and emergency management
	01/09/15 – 31/10/15
<i>Position</i>	Collaborator
<i>Research institute</i>	ITHACA - Information Technology for Humanitarian Assistance Torino Italy
<i>Main Activity</i>	Tool developer with Python and ArcGIS
<i>Description</i>	Together with my colleagues we provide cartographic support in case of natural disasters or humanitarian emergencies for the Copernicus Emergency Management Service
	04/03/2015 – 03/08/15
<i>Position</i>	Scholarship holder
<i>Research institute</i>	Politecnico di Torino (DIST - Dipartimento Interateneo di Scienze, Progetto e Politiche del Territorio) Torino Italy
<i>Main Activity</i>	Implementer of databases for environmental analysis
<i>Description</i>	For the project IDEM together with my colleagues we built a WebGis that publishes in near real time the data acquired from sensors that are near two landfills
	29/09/2014 – 31/10/2015
<i>Position</i>	Collaborator
<i>Research institute</i>	ITHACA - Information Technology for Humanitarian Assistance Torino Italy
<i>Main Activity</i>	Tool developer with Python and ArcGIS 10.2
<i>Description</i>	Together with my colleagues we provide cartographic support in case of natural disasters or humanitarian emergencies for the Copernicus Emergency Management Service

	11/04/2011 - 11/06/2011
<i>Position</i>	Internship
<i>Firm</i>	CSI Piemonte Torino Italy
<i>Main Activity</i>	Evaluation of the energy demand of the residential buildings in Torino with software GIS
<i>Description</i>	The internship was at the Information System Consortium in Torino and the goal of the activity was to experiment new evaluation methods of the energy performance of buildings using cadastral data.
	28/07/2008 - 29/08/2008
<i>Position</i>	Internship
<i>Firm</i>	Web Reservation International Dublin Ireland
<i>Main Activity</i>	Refunds and data entry
<i>Description</i>	During the experience I worked along with the financial team.

FOREIGN EXPERIENCES

	02/04/2013 - 14/04/2013
<i>Programme</i>	Intensive Programme on sustainable urban regeneration strategies in Ankara
<i>University</i>	Middle East Technical University Ankara Turkey
	01/07/2008 - 29/08/2008
<i>Programme</i>	Master dei talenti neodiplomati (Fondazione CRT)
<i>Institute</i>	Swan training institute Dublin Ireland

EDUCATION

UNIVERSITY EDUCATION

	01/09/2011 - 27/06/2014
<i>Course</i>	Alta Scuola Politecnica (2 years)
<i>Project</i>	COLORADO project: Community-based policies for natural resources sustainable development

	01/09/2011 - 19/12/2013
	Master of Science (2 years)
<i>Course</i>	Regional, Urban, Landscape and Environmental Planning
<i>Place</i>	Politecnico di Torino
<i>Thesis</i>	THE INTEGRATION BETWEEN PLANNING AND ENERGY POLICIES AS A DRIVER OF TERRITORIAL INNOVATION
<i>Grade</i>	110 cum laude
	18/09/2008 - 21/07/2011
	Bachelor of Science (3 years)
<i>Course</i>	Regional, Urban, and Environmental Planning
<i>Place</i>	Politecnico di Torino
<i>Thesis</i>	ENERGETIC CONSUMPTION OF RESIDENTIAL BUILDINGS IN TORINO: GIS APPLICATION
<i>Grade</i>	108/110
SECONDARY SCHOOL	
	2008
<i>Diploma</i>	Accountant
<i>Grade</i>	83/100

IT SKILLS

<i>Code Language</i>	Python
<i>Version Control</i>	Git
<i>DB</i>	Access
<i>Operating Systems</i>	Windows 7 e 8
<i>Word processing</i>	Word e OpenOffice Write
<i>Data processing</i>	Excel e OpenOffice Calc
<i>GIS</i>	ArcGIS, Qgis
<i>CAD</i>	AutoCAD
<i>Graphics</i>	Photoshop, InDesign, SketchUp, PowerPoint
<i>Certifications</i>	European Computer Driving License (ECDL)

LANGUAGES

Principal languages Italian e Romanian
Other

	Comprehension		Spoken	Written
	Listening	Reading		
English	C1	C2	C2	B2
French	A1	A1	A1	A1

Certifications **IELTS** with 6.0

**ABILITIES E
COMPETENCES**

<i>Managing abilities</i>	Good experience with group work management and project management.
<i>Social Competences</i>	Team spirit acquired during group works while absolving the BSc and the MSc.

OTHER INFORMATION

<i>Driving license</i>	B
<i>Availability to study or business trips</i>	In Italy and abroad