

STEFAN JOVANOVIĆ

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WORK EXPERIENCE

Research fellow

September 2018 – Present

POLITECNICO DI MILANO, MILANO (Italy)

- Development of plugins for GIS free and open source software using Python.
- Visualization of geo data using WEB technologies.

Field Operator

June 2017 – August 2018

GEOVARIS, Banja Luka (Republic of Srpska, BIH)

- Topographic and hydrographic surveying of river Vrbas valley.
- Topographic survey and staking out of pipeline for small hydropower dams (*Visegrad, BIH*).
- Wind farms project -topography, staking out and expropriation (*Glamoc, BIH*).
- Staking out of building/industrial hall foundations.
- Excavation monitoring during Banja Luka – Prnjavor highway construction.

Professor

September 2016 – September 2018

Civil Engineering High School, Banja Luka (Republic of Srpska, BIH)

- Geodesy (theoretical and practical lessons).
- Applied geodesy in civil engineering and land planning/consolidation projects.
- Photogrammetry.

Field and Office Operator

April 2016 – May 2016

3D Survey Group, Politecnico di Milano (Milan, Italy)

- 3D survey of Milan Cathedral (Duomo) using laser scanner.
- Planning and surveying of topographic network for geo-referencing.

Cadastral Officer and Operator

September 2013 - October 2014

Administration for Geodetic and Property Affairs, (Republic of Srpska, BIH)

- Land surveying and staking out for river basin reclamation project.
- Establishment of land properties.
- Analysis of data and digitalization of cadastral maps.

GIS Operator

November 2012 – September 2013

Administration for Geodetic and Property Affairs, (Republic of Srpska, BIH)

- Preparation of cartography bases for CENSUS project of 2013.
- Creation of spatial database.
- Digital processing of images and editing of spatial units.

EDUCATION

Master of Environmental and Geomatics Engineering *October 2014 – December 2016*

Politecnico di Milano (Milan, Italy)

- Thesis: “DSM generation and quality assessment using low-cost UAVs and FOSS.”
- Principal courses: Geographic information systems (Open Street Map accuracy analysis - course project, WEBGIS Big data exploration, visualization and analysis), Remote sensing and Digital Image Processing (Thematic maps generation - classification implementation), Satellite navigation and monitoring (GNSS networks alignment and RTK surveying), Natural resources management (Optimization of lakes’ water resources in the Lombardy region), Energy for sustainable development (Strategy and cost of implementation of PV power plant in Santa Cruz del Isolte Island-Colombia).

Bachelor of Geodesy Engineering

September 2008- November 2012

University of Banja Luka, (Bosnia and Herzegovina)

- Thesis: “Geodetic aspects in the application of software ‘Civil 3D’ in the design and construction of highways.”
- Principal courses: Geodetic survey and techniques (theoretical and practical lessons during 6 semester), Global navigation satellite systems, Cartography and photogrammetry.

SKILLS

- Proficient in QGIS, GRASS GIS, PYTHON, GEOPYTHON, ENVI, ARCGIS, Open Drone Map, AgiSoft PhotoScan, Cloud Compare, AUTOCAD Cyclone, MATLAB, Microsoft OFFICE.
- Specialist for Micro UAVs, GNSS Receivers, Total Stations, Engineering Levels, Laser Scanners.
- Languages: Serbo-Croatian (Fluency), English (Fluency), Italian (Fluency).
- Driving license (B).

REWARDS AND SCHOLARSHIPS

- Gold scholarship ‘*Fondazione Alessandro Volta*’; *2014-2016*
- The scholarship of Ministry of education of Republic of Srpska; *2008-2012*

ADDITIONAL INFORMATION

- Handball player (10 years) and coach (U16 team) ;
- Passionate fisherman and water polo player.