Adriano Tullo

Geologist

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SUMMARY

Graduate in Applied Geology with experience in integration of various **remote sensing methodologies** and **monitoring systems** with traditional and proven methods of **geological and geotechnical surveys** in the fields of:

- o **Engineering Geology;**
- o **Applied Geomorphology;**
- o **Hydrogeology;**
- o **Slope stability and monitoring.**

Advanced experience also in data management and map production through **GIS software**. **Qualified for the profession of Geologist** since June 2017, and regularly enrolled in the **Geologists Association of the Abruzzo Region, section A**.

EDUCATION

- **Master's Degree in Engineering Geology (Geologia Applicata all'Ingegneria, al Territorio e ai Rischi - Geology Applied to the Engineering, the Territory and the Risks)**
  2015 – 2016
  The Sapienza University of Rome, Rome (RM)
  Final vote: **110/110 cum laude**
  Dissertation: **"Characterization of deformational processes affecting a landslide subjected slope localized in Caltavuturo/Scillato area through SAR interferometry"**
  Supervisor: Prof. Paolo Mazzanti
  Subjects: Remote sensing and Applied Geomorphology.
  In partnership with **Nhazca S.r.l.** for **Anas S.p.A.**.

- **Bachelor's Degree in Geological Sciences**
  2010 - 2014
  The Sapienza University of Rome, Rome (RM)

WORK EXPERIENCE

- **Junior Geologist**
  09/2017 – Present
  IRSPS - International Research School of Planetary Sciences, Pescara (PE)

- **GIS Analyst and Junior Geologist**
  2014 – Present
  Studio di Geologia Applicata e Ambientale (SGAA), Atessa (CH)

- **Analysis of slope deformational processes through Terrestrial Interferometric Synthetic Aperture Radar (TInSAR or GBInSAR – Ground Based Interferometric SAR).**
  2016
  Nhazca S.r.l., Rome (RM)
  Training Internship

LANGUAGE SKILLS

- **Italian**: Native language.
- **English**: Professional knowledge of reading and speaking, good capability of texts and reports production.
- **French**: Basic skills of reading and speaking.
- **Spanish**: Basic skill of reading and speaking.

COMPUTER SKILLS

GIS environment: Professional knowledge of **ArcGIS** suites from version 9.3 to 10.3, **QGIS** v. 1.5 - present (2.18).
Basilar knowledges of **GRASS, Autocad Map 3D, Whitebox GAT, SAGA GIS**.

Remote Sensing: Advanced experience of Interferometric SAR data management and processing solutions **IBIS Guardian** and **IBIS Data Viewer** of IDS, used during the internship and the thesis works.
Some experience of photogrammetry and 3d modeling through dense cloud data with **Agisoft Photoscan** software.

Numerical modeling: Professional knowledge of 2d slope stability modeling with **SSAP 2010** and **FLAC 7.0.** Basic training of 3D groundwater flow and contaminant transport modeling, using the **MODFLOW** suite of codes, implemented in **Groundwater Vistas** and **FREEWAT** graphic interfaces.

Geotechnical Software: Good knowledge of professional software solutions **Stereonet**, **StrainSim**, **FaultFoldForward**, **Rocklab**, **Dips**, **CPeT-IT**, and of **Geostru** geotechnical suites (Dynamic Probing, Stratigrapher, etc.).

Graphical Editors: Advanced experience of **Adobe Photoshop** from version CS3 to the present.
Good knowledge of **Adobe Illustrator**, **Adobe CorelDRAW Graphics Suite**, **Adobe Lightroom**.

Programming languages: Certified mid-level knowledge of **Python.** Certified fundamentals of **C++, HTML**, **CSS** and **JavaScript.**

Technical design: Good knowledge of **AutoCAD** (v. 2013-2016) and **Rhinoceros** 5.

Productivity: Professional knowledge of **Microsoft Office** suites from v. Office 2000 to the present, and open source suites **LibreOffice** and **OpenOffice**.

Operative Systems: Advanced experience of **Windows** O.S. **XP, Vista, 7, 8, 8.1** e **10.**
Fair knowledge of Gnu/Linux O.S. **Ubuntu** (Kubuntu, Ubuntu Gnome, Lubuntu, Xubuntu e Lubuntu), **Linux Mint, Manjaro**, **Bodhi Linux** and **Debian.**
Basilar knowledge of Apple O.S. **macOS** from v. 10.6 to the present.

Mobile Operative Systems: Advanced knowledge of **Android** from ver. 2.3 (Gingerbread) to the present.
Good knowledge of more recent **iOS**, **Windows Phone** and **Windows 10 Mobile** systems and the elders **Windows Mobile** systems.