



RODOLFO RANI

CURRICULUM VITAE



Date of birth / 14/03/1997 Age / 26
Place of birth / FORLI' (FC)
Nationality/ citizenship / Italy
FORLI' (FC)
FORLI' (FC)
Driving licence / B
ID/5005503 updated on 12/05/23

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FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH GOOD B2 B2 B2 B2 B2

DIGITAL COMPETENCES

Self-assessment grid

Information processing **Independent user**
Communication **Independent user**
Content creation **Independent user**
Safety **Independent user**
Problem solving **Independent user**

EXPECTATIONS AND FEATURES OF THE DESIRED JOB

INTENTION TO CONTINUE STUDIES: **Yes** / Doctoral studies

ECONOMIC SECTOR: **1.** infrastructures, construction industry / **2.** recruitment and personnel selection / **3.** energy, gas, water, mining

CAREER FIELD: **1.** Quality and security / **2.** Engineering and design / **3.** Organization

DESIRED JOB: **Geologist specialized in environmental and hydrogeological risk.**

PREFERRED DISTRICT TO WORK IN: **1.** BOLOGNA / **2.** FORLI'-CESENA

AVAILABILITY FOR BUSINESS TRAVELS: **Yes, but not often**

AVAILABILITY TO RELOCATE ABROAD: **Yes, even in non-European countries**



ACADEMIC STUDIES

PH.D.
2022 - 2025
ONGOING STUDIES



Alma Mater Studiorum - Università di Bologna
Faculty: BiGeA - Department of Biological, Geological and Environmental Sciences
Multiscale susceptibility analysis and quantitative multiscale landslide hazard and risk assessment adaptable to linear infrastructure desing

Expected graduation date: 01/11/2025

MASTER'S DEGREE
2019 - 2022
CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
Geology and territory (Idrological hazard and enviromental protection)

specific field of the degree course: curriculum a: rischio idrogeologico e protezione dell'ambiente
LM-74 - 2nd level degree in Geology

Dissertation/thesis title: Dynamic stability analysis of landslide in Gaggio Montano (BO) | Thesis supervisor: BERTI MATTEO |
Dissertation/thesis keywords: clay landslide, Newmark method (1965), experimental monitoring of seismic induced movement.

Age at graduation: 25 | Official duration: 2 years

Final degree mark: **110/110 cum laude**

Graduation date: 17/03/2022

BACHELOR'S DEGREE
2016 - 2019
CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
SCIENZE GEOLOGICHE

L-34 - 1st level degree in Geology

Dissertation/thesis title: Geotechnical and Geomorphological Study of the Landslide in San Clemente (BO) | Thesis supervisor: SIMONI ALESSANDRO

Age at graduation: 22 | Official duration: 3 years

Final degree mark: **101/110**

Graduation date: 03/10/2019

SCIENTIFIC CERTIFICATE
FORLI'
2016

FULCIERI PAULUCCI DI CALBOLI, FORLI' (FC)

School-leaving examination mark: **78/100**

Kind of secondary school diploma: Italian secondary school diploma



WORK EXPERIENCES

geological engineer
UNIVERSITÀ DI BOLOGNA - BIGEA

Education, training, research and development
BALZE DI VERGHERETO (FC)
08/2022 - 11/2022

Main activities and responsibilities: 1) collection of existing documentation relating to surveys, geological reports and previous studies on the town of Balze (Municipality of Verghereto, FC)

2) critical analysis of the available geotechnical evidence
3) definition of the geotechnical parameters representative of the materials present, with particular reference to the Clay Formation of Val Samoggia (AVS)

4) analysis of the general conditions of stability through finite difference modeling

Employed as: other - fixed-length contract | Company sector: Legal Office

Geophysical and geotechnical investigations in soils.

SOCOTEC

Infrastructures,
construction industry
AVELLINO (AV)
06/2021 - 08/2021

Main activities and responsibilities: Practical execution of a geophysical test campaign (MASW and HVSR with Tromino) for the new Salerno-Reggio Calabria high-speed section. Direct processing of the data acquired in the countryside, using software ZOND and Grilla.

Acquired skills and achieved objectives: I learned the use and processing of geophysical tests (MASW and HVSR). During the internship experience I recognized the extreme usefulness of the tests and above all I learned the necessary fundamentals from a working point of view.

Employed as: intern/trainee - undergraduate internship | Number of hours: 156 | Company sector: Engineering and design

Undergraduate Internship ISTITUTO DI SCIENZE MARINE (ISMAR)

Education, training,
research and development
BOLOGNA (BO)
01/2019 - 03/2019

Main activities and responsibilities: Preliminary procedures for analysis of an Antarctic marine sediment core drilling.

Employed as: intern/trainee - undergraduate internship | Number of hours: 100



FOREIGN LANGUAGE SKILLS

DIPLOMAS AND CERTIFICATES

English Diploma d'inglese come lingua straniera (livello intermedio B1), Alma Mater Studiorum - Università di Bologna (Italia), 19 Dec 2017, **Europass level B1**



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Presentation Software: Microsoft PowerPoint (Intermediate) | **Spreadsheets:** Microsoft Excel (Intermediate) | **Web Browser:** (Intermediate) | **Word Processors:** LaTeX (Foundation), Microsoft Word (Intermediate)

APPLICATION SOFTWARE

Data Visualization: Grilla (Advanced) | **Geographic Information System (GIS):** ArcMap (Advanced), Google Earth Pro (Advanced) | **Numerical analysis:** FLAC (Intermediate), Geostru (Slope) (Foundation), GeoStudio (Foundation), LSR 2d (Foundation), MODFLOW (Foundation), Surfer (Foundation)

COMPUTER PROGRAMMING

Programming languages: MATLAB (Foundation), R (Foundation)

GRAPHICS AND MULTIMEDIA

CorelDraw (Intermediate)



CONFERENCES AND SEMINARS

CONVENTIONS 24/04/2023

European Geosciences Union (EGU), Vienna, Austria
Presentations Rodolfo Rani co-authored the following presentations:

'Stability of a rock slope overlying a weak clay: the difficult case of Balze di Verghereto (Italy)' by Rodolfo Rani, Andrea Benini, Andrea Foschi, and Matteo Berti, session NH3.8, abstract EGU23-7815, poster presentation.