



Jens Rößiger (24.02.1982)

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RESUME



KEY COMPETENCES

- » Experience in different exploration areas, mainly Gold and Iron ore deposits.
- » Field experience in with different exploration techniques. Supervision and planning of i.e. soil sampling or drilling programs. Geological mapping of lithologies and structures.
- » Used to traveling, worked in remote, dry and tropical areas.
- » Modelling experience & Experience with geophysical datasets.
- » Computer skills: Matlab, GIS(MapInfo, ArcGIS), Maptek Vulcan, Stereoplot, Office Suite, Adobe Ps Ai Id. Also several computer languages.
- » Technical aptitude and problem solving skills.
- » Teamplayer and always willing to participate in further training.

WORK EXPERIENCE

12/2014 -
recent

Geologist: Geo Exploration Technologies (Germany)

- » Supervision, installation and support of geophysical measurement devices on various TBM drives, internationally.
- » Coding of internal software (C#, VB6, Matlab, Python, OPC).
- » Geophysical characterisation on different surveys (UXO, ground water, soil layers).
- » Further development of necessary communication and problem solving skills.
- » Re-processing of seismic datasets from raw data to usable stacked reflections.

10/2014 -
11/2014

Consulting work at university

- » Consulting on scientific programming with the frame work ELLE.

01/2014 -
09/2014

Freelance Projects

- » Web design, web administration; Analysis of geological data.

05/2012 -
12/2013

Exploration Geologist: Westafrican Geoservices (Liberia, Africa)

- » Gold and Iron ore exploration.
- » Soil sampling (panning, organisation, management).
- » Drilling programs (preparation, earth works, supervision, logging, sampling).
- » Mapping in rugged terrain and strong lateritic weathering.
- » Analysis and reporting (ArcGIS, Maptek Vulcan).
- » Training and instruction of local geologists.

09/2012 -
10/2012

Structural geologist: Dahrouge Geological Consulting (Québec, Canada)

Two months project around an REE carbonatite complex.

- » Structural mapping in the proximity of the deposit.
- » Very remote camp experience only accessible by float plane and helicopter

01/2009 -
12/2011

Research associate: Eberhard-Karls University of Tübingen

Three year PhD projekt: "Numerical modelling of microstructures in ice" to obtain the title Dr. rer. nat.

- » Writing and changing simulation processes in C++ and Python.
- » Analysis of the data and publication of the results in three articles.
- » Organisation and participation of several workshops and conferences.
- » Successful application for DAAD funding and co supervision of a special field trip to Australia for students.
- » Co supervision of several other field excursions for students in Europe.

10/2007 -
12/2007

Cooperation: Marathon Resources (South Australia)

MSc project: "Regional study of the Mt. Painer Inlier".

- » Mapping: detailed structural and lithological mapping in an area with large breccia zones and strong hydrothermal overprint.
- » Analysis: Thin section microscopy, fluorescence and SEM microscopy.

03/2004 -
04/2004

Internship: Wintershall AG (Germany)

- » Setting up a database to unify all the different seismic layers according to location to identify double entries.
- » Interpretation of seismic lines with GeoFrame and working with ArcGIS.

EDUCATION

Eberhard-Karls University of Tübingen

PhD in Geoscience.

- » Successful defence in July 2013 (magna cum laude)

MSc in Geology (majored in: structural and sedimentary geology, geophysics)

main lectures:

- » Structural geology
- » Sedimentary geology
- » Geophysics
- » Petrologie
- » Ore microscopy
- » Oil geology, basin analysis
- » Regional geology

field trips, mapping courses

- » Molinos, Spain: lage scale folds and faults in sedimentary rocks.
- » Elba, Italy: metamorphic basement rocks with different layers, also including intrusions.
- » Additional courses with stratigraphic, structural or geochemical background including ore genesis in Europe and China.

2009 -
2013

2003 -
2008

SKILLS

Languages

German ★★★★★, English ★★★☆, French ★, Japanese ★

Software
Technical
Teaching

Coding: (C++, C#, VB6, Matlab, Python, OPC, Autoscript)

GIS (QGIS, ArcGIS, MapInfo), MS Office, Adobe Ps Ai Id, Matlab, Stereoplot, Maptek Vulcan.

Thin section microscopy including reflected light, SEM, backscatter, sample preparation.

Lecturer in practicals, substitution in lectures, supervision during field trips.

INTERESTS

Computers
Traveling
Sports
Nature

Web design, grafic design, picture and movie editing, programming, photography.

I'm always keen to get to know new cultures and places around the world.

Hiking, cycling, horse riding, RC models.

Astronomy, physics, botany in different environments.