

Field, Laboratory, and Computer Skills:

Survey of geological structures and fracture analysis in the Earth crust

Rock mechanics and dip stability analysis in rock slopes

Aggregate and Concrete Quality Control

Preparing thin section samples and micro-tectonics studies (e.g. Fedorov Universal Stage)

Surveying by GPS, Total station, Theodolite, Alidade, Nivo

Skills

Setup Diffusion Sampler (for gas sampling) and Temperature Logger in springs

Measuring water field parameters (Eh, pH, EC, DO, and TDS)

Paleostress analysis software (Win-Tensor, Dips, Stereo net, etc.)

ArcGIS software (Arc view, Arc Map, Arc Catalog, Arc tools)

Remote Sensing software (ENVI, Global Mapper, Map Source, Google Earth, ER Mapper, and Oasis Montage (for aeromagnetic data analysis))

Surfer, AutoCAD, GMT, Log plot, and Win-Karst (for 3D design of cave and structures)

Programing (MATLAB, PASCAL, and Elementary C++)

SPSS (PASW Statistics), Microsoft Office (Word, Excel, PowerPoint) and EndNote

Rock grains grading and Concrete sampling and breaking

Skills

Language Skills:

-

Reading, writing, and speaking fluently in English

- TOEFL (iBT), 2014
- GRE, 2011, 2014