

Consulting Assistant

Expertise Geosciences, with main focus on Geophysics & Rock mechanics

Education B.Sc., Geophysics, 2006
M.Sc., Geophysics, 2008
Ph.D. (in progress)
Institute of Geology, Mineralogy & Geophysics
Ruhr University Bochum, Germany

Professional Experience

2008 - Present	<i>Itasca Consultants GmbH, Gelsenkirchen, Germany</i> <i>Student Assistant (January – February 2008)</i> <i>Consulting Assistant (March 2008 – Present)</i>
2006 - 2007	<i>Itasca Consultants GmbH, Gelsenkirchen, Germany</i> <i>Student Assistant (April 2006 – December 2007)</i>
2003 – 2008	<i>Ruhr-University Bochum, Germany, Experimental Geophysics Group</i> <i>Student Research Assistant</i>

Project Experience

Geophysics: Quantitative microstructure analyses of fluid-filled and other rocks; numerical modeling of seismic wave propagation in a subduction zone; deformation and synthesis experiments; Fourier analyses on records of oscillatory pressure tests; numerical analysis of pore mobility; experimental analysis of porous media with ultrasound.

Code Development: Algorithm for automatic grid generation in the *Particle Flow Code (PFC)*.