

Geomechanics Manager

Expertise

Rock Mechanics and Numerical modeling

Education

Candidate for Master in Geomechanics Applied to Mining, 2014
Universidad de Los Andes, Chile

Industrial Engineer, 2006
Universidad Técnica Federico Santa María, Chile

Mining Engineer, 2001
Universidad de Santiago, Chile

Professional Experience

2021 – Present
Itasca Chile SpA, Santiago, Chile
Geomechanics Manager

2017 – 2021
Itasca Chile SpA, Santiago, Chile
Principal Geotechnical Consultant

2016 – 2017
Itasca Chile SpA, Santiago, Chile
Geotechnical Consultant

2011 – 2016
Itasca Chile SpA, Santiago, Chile
Geotechnical Consultant

2007 – 2011
Itasca Chile SpA, Santiago, Chile
Geotechnical Engineer

2004 – 2007
Geo-tech Ltda., Santiago, Chile
Modeling Engineer

2003 – 2004
Instituto de investigación en minería y metalurgia (IM2)
Project Engineer, Rock mass preconditioning project

Project Experience

- Geomechanic applied to open pit and underground mining:
- Analysis of slopes and underground stability using 3DEC, UDEC, FLAC2D, FLAC3D for different projects in Chile, Peru, Argentina, Mexico, Brazil, etc.
- Kinematic Analysis for slopes structurally controlled
- Stability analysis of pillars in underground mines in Chile, Peru, Argentina and Brazil.

- Design and implementation of preconditioning program in underground mines of Codelco Chile (Andina, Salvador and Teniente).
- Presentation of more than 10 courses on numerical modeling methods: 3DEC, UDEC, FLAC3D in Chile, Peru and Mexico.
- Presentation of more than 10 Geotechnical Review Board (GRB) meetings.