
Geomechanics Specialist

Expertise

Rock Mechanics, Numerical Modeling, *3DEC* Software

Education

Diploma in Environmental Management, 2022
Universidad de Santiago de Chile, Santiago, Chile

Diploma in Industrial Engineering, 2022
Federico Santa María University, Santiago, Chile

Degree in Mining Civil Engineering, 2021
Universidad de Santiago de Chile, Santiago, Chile

Professional Experience

2023 – Present

Itasca Chile SPA, Santiago, Chile
Geomechanics Specialist

Project Experience

Rock mechanics applied to surface mining: Preparation of designs for evaluation of the stability of the pit walls through analysis of the properties (FOS, GSI, Geotechnical Units, Structures, etc.) using software in two and three dimensions. Evaluation, using a parametric model, of the improvement in the stability of the wall by applying discharges that allow for improvement in the conditions of the slope. Evaluation of design alternatives to evaluate the expansion phases and evaluation of the final design conditions through a 2D analysis of the different sections of the pit.