

**Geomechanics Consultant**

**Experience** **Rock Mechanics, Numerical Modeling Applied to Geomechanics**

**Education** Civil Mining Engineer, 2019  
Universidad de Santiago, Santiago, Chile

**Professional Experience**

2025 – Present	Itasca Chile SpA, Santiago, Chile Geomechanics Consultant
2020 – 2025	Itasca Chile SpA, Santiago, Chile Project engineer
2019 – 2020	Universidad de Santiago, Santiago, Chile Graphic Methods Laboratory Teacher

**Professional Affiliations** Member: Chilean Rock Mechanics Society (SCMR)

**Project Experience**

Numerical modeling applied to open pit mining: stability analysis and slope designs for projects in Chile, Peru, Argentina and Botswana, determining safety factor, failure probability, damage to infrastructure, etc. Evaluation of mitigation measures for slope stability. Activities include the construction, calibration of continuous and discontinuous numerical models of finite differences in two and three dimensions.

Numerical modeling applied to underground mining: Stability analysis of tunnels, transfer shafts, stopes, etc. (projects in Chile and Peru). Estimation of support system in tunnels. Caving (subsidence) analysis for Block Caving and Sublevel operations for projects in Chile and Botswana.