

Project Manager/Senior Geotechnical Engineer

Expertise Open pit and waste dumps geotechnical design, support design for tunnels and open stopes, project management.

Education M.Sc. Geotechnical Engineering, 2005
Pontificia Universidad Católica, Chile
B.A.Sc. Structural Engineering, 2005
Pontificia Universidad Católica, Chile

Professional Affiliations**Professional Experience**

2018 – Present *Itasca S.A., Chile*
Project Manager / Senior Geotechnical Engineer

2016 - 2017 *Golder Associates S.A., Chile*
Senior Geotechnical Engineer

2015 – 2016 *Golder Associates Inc, U.S.A*
Senior Geotechnical Engineer

2009 –2015 *Golder Associates S.A., Chile*
Project Manager / Geotechnical Engineer

2007 – 2008 *Golder Associates Ltd, Canada*
Geotechnical Specialist

2004 – 2007 *Golder Associates S.A., Chile*
Junior Geotechnical Engineer

Project Experience

Rock Mechanics Applied to Surface Mining: Has carried out field investigations, including borehole campaigns and surface mapping, data gathering on the field, definition of structural domains and strength properties of structures, rock mass characterization, slope stability analysis using limit equilibrium and SRF, deformation analysis using finite elements, kinematic analysis, rockfall assessment and geotechnical design of open pits and slopes.

Rock Mechanics Applied to Underground Mining: Has carried out field investigations, including borehole campaigns and surface mapping, data gathering on the field, definition of structural domains and strength properties of structures, rock mass characterization, slope stability analysis using Mathews method, tunnel design support using empirical methods.

Waste Rock Facilities: Has carried out field investigations, including borehole campaigns and surface mapping, data gathering in the field, foundation characterization, waste rock characterization, slope stability analysis using limiting equilibrium, rockfall assessment, runout assessment and geotechnical design of waste rock facilities.