## **Christian Cancino Martinez – ITASCA Minneapolis**



## **Senior Engineer**

**Expertise** Rock mechanics applied to mining and numerical modeling

**Education** M.A.Sc. (Mining Engineering), 2024

University of British Columbia

Mining Engineer, 2016

Universidad de Santiago de Chile, Chile

**Honors** A Ping Engineering, DAAD (2014)

**Keynote Lectures** Second International Slope Stability in Mining Conference, Perth, Australia

2021

## **Professional Experience**

ITASCA Minneapolis

2024 – Present Senior Engineer

2019 – 2024 Geomechanics Engineer

ITASCA Chile

2017 – 2019 Project Engineer2016 Thesis Student

## **Project Experience**

Rock Mechanics Applied to Surface Mining: Numerical modeling projects for diverse problems at some of the largest open-pit mines in the world, including Chuquicamata, Collahuasi, and Escondida (Chile); Jwaneng and Karowe (Botswana); Bingham Canyon, Cortez, and Morenci (USA); Antapaccay (Peru); and Bajo de la Alumbrera (Argentina). Surface-mining activities: estimating rock mass properties, calibrating numerical models for slope stability assessments, back-analyzing slope failures, and studying remedial measurements (dewatering, buttresses, step-outs, structural support, unloading excavations, etc.).

Rock Mechanics Applied to Cave Mining: Consulting and numerical modeling for diverse problems in cave mining, including extraction-level layout assessments, evaluation of caving potential and caveability, prediction of gravity flow of broken ore, surface subsidence. Consulting services for Chuquicamata, El Teniente, and Andina mines (Chile); New Afton (Canada); Resolution (USA); and Venetia (South Africa).

*Numerical Analysis for Practical Geo-engineering Application*: Application of numerical models in a variety of practical geo-engineering studies, including large landslide analysis in Aknes, Norway.

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