

Geomechanical Engineer

Expertise Rock mechanics, Numerical modeling

Education M.Sc. Civil Engineering (Soil- and Rock Mechanics), 2023
Royal Institute of Technology, Stockholm, Sweden

Professional Experience

2023 – Present ITASCA Sweden
Geomechanical engineer

Project Experience

Analytical modeling of frost action on sheet pile walls. The study included estimation of frost heave pressure acting on single- and multi-anchored sheet pile walls using 2D linear-elastic beam deformation modelling as well as evaluation of results using data from case studies and scientific references.

Additional experience involves FEM modeling of tunnel deformation and evaluating tunnel support using *PLAXIS 2D*, rock core logging characterization using *RMR*, *RQD*, and *Q*-value, and water ingress analysis and design of grout fan using analytical methods.