

Geomechanical Engineer

Expertise Soil mechanics, Rock mechanics, Numerical Modeling, Site investigations

Education M.Sc. Civil Engineering (Soil- and Rock Mechanics), 2018
Royal Institute of Technology (KTH), Stockholm, Sweden

Erasmus Exchange Program (Geotechnical- and Rock Engineering), 2017
Norwegian University of Science and Technology (NTNU), Trondheim,
Norway

B. Eng Underground Engineering, 2016
Southeast University (SEU), Nanjing, China

Professional Experience

2024 – Present ITASCA Consultants AB, Stockholm, Sweden
Geomechanical Engineer

2022 – 2024 WSP AB, Stockholm, Sweden
Geotechnical Engineer

2018 – 2022 Golder Associate AB, Stockholm, Sweden
Geotechnical Engineer

2017 – 2018 ELU Konsult AB, Stockholm, Sweden
Master's Thesis Work

Project Experience

Field work:

Geomechanical core logging (RQD-, RMR-, and Q-characterization) for Roslagsbanan to City in Stockholm.
Tunnel inspection for Komettunneln and Galaxtunneln in Stockholm.

Planning, coordinating, and participating in a great variety of geotechnical site investigations including core drilling for Roslagsbanan to City in Stockholm, sample pit excavations for Aitik Mine in Gällivare, soil sampling for environmental contaminants for existing Roslagsbanan in Stockholm as well as various of soil probing/sampling projects around Stockholm. Assessment of groundwater level in groundwater observation pipes. Radon measurements for air, soil, and rock.

Mining/Repository:

Photogrammetry mapping for Boliden Rönnskär Repository. Discrete fracture network (DFN) modelling with FracMan for Diavik Diamond Mine in Canada.

Infrastructure/Civil Engineering:

Stability- (GeoSlope) and settlement (Geosuite Settlement) analysis for various infrastructural projects based on assessment and evaluation of results from both site investigations and laboratory tests. Dimensioning (Plaxis 2D) of ground improvement methods to solve stability or settlement related issues. Reference projects: Ostlänken OLP3, Roslagsbanan Utbyggnad and TUB Älvsjö.

Production of AutoCAD drawings for diverse purposes as well as 3D soil layer modelling in Civil 3D.