## Project Engineer

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| **Expertise** | 3D and 2D modelling of geometries |
| **Education** | M.Sc. Natural resources – ore and minerals, 2024<br>Luleå University of Technology, Luleå, Sweden |

## Professional Experience

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| 2024–Present | Itasca Consultants AB, Luleå, Sweden<br>Project Engineer |
| 2021–2024 | WSP, Rock Engineering, Luleå, Sweden<br>Associate Geological Engineer |

## Project Experience

*Field work:*
Using ground penetrating radar (GPR) to localize water pipes in the ground. The data was processes and interpreted in GroundVision.

*3D modelling:*
Modelling of 3D geometries with MicroStation V8i in Högdalen Underground Depot project and TUB-A. The work included 3D modelling of underground tunnels and open cuts. It resulted in different types of models such as survey models, line models and rock technical prognosis models.

AutoCAD Civil 3D and Navis Simulate was used in addition to MicroStation V8i to create the rock technical prognosis models.

*2D modelling:*
Adjusting existing 2D drawings with AutoCAD and MicroStation V8i in Högdalen Underground Depot project, TUB-A and Slussen.

*Parametric modelling:*
Parametric modelling in Rhino+Grasshopper of 3D geometries, calculating quantities, creating rock technical prognosis models for Tvärförbindelse Södertörn project. For the metro line Fridhemsplan – Älvsjö, Rhino+Grasshopper was solely used to create 3D geometries.