Christopher C. Thielsen

Geomechanics Engineer

Expertise	Soil and Rock Mechanics, Geology, Numerical Modeling of Geomechanics, Machine Learning Methods and Techniques
Education	M.S. (Geoengineering), 2021 University of Minnesota, Minneapolis, Minnesota B.GeoE. (Geoengineering), 2020 University of Minnesota, Minneapolis, Minnesota
Registration	Engineer in Training (EIT), Minnesota
Professional Affiliations	Member: American Society of Civil Engineers (ASCE), Society of Mining, Metallurgy, & Exploration (SME) Officer: Minnesota Geotechnical Society (MGS-GI)

Professional Experience

	Itasca Consulting Group, Inc., Minneapolis, Minnesota
2021 – Present	*Geomechanics Engineer*
2020 – 2021	*Engineering Intern*
2019 – 2021	*University of Minnesota, Minneapolis, Minnesota* *Teaching & Research Assistant*
2019 – 2019	*American Engineering Testing, St. Paul, Minnesota* *Engineering Technician Intern*

Project Experience

Machine Learning Model Development for Underground Mining: Development and application of a supervised machine learning model to predict rock strength at underground mines.

Numerical Analysis for Practical Geo-engineering Application: Applied numerical models in a variety of practical geo-engineering studies including slope stability analyses of tailings dams and open pit blasting analyses.