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## **Geotechnical Project Engineer**

**Expertise** Numerical Modeling of Mechanical and Hydraulic Processes. Fractured Media. Scientific Computing.

**Education** Ph. D. in Earth Sciences  
University of Rennes, France, 2020

Engineering diploma in numerical geosciences (Master's degree)  
Ecole Nationale Supérieure de Géologie, France, 2016

### **Professional Experience**

2023 – Present *Itasca Consultants S.A.S. Lyon, France*  
*Geotechnical Engineer*

2020 – 2023 *Itasca Consultants S.A.S. Lyon, France & Géosciences Rennes,*  
*University of Rennes: Research engineer*

2016 – 2020 *Itasca Consultants S.A.S. Ecully, France & Géosciences Rennes,*  
*University of Rennes: Research student*

2016 (6 month) *Technodigit, Genay, France: software engineer internship*

2016 (3 month) *Géoressources, Université de Lorraine, Vandoeuvre-Lès-Nancy,*  
*France: research internship*

2015 *GEOTEC, Montigny-Le-Bretonneux, France: technician internship in*  
*geotechnics*

### **Project Experience**

- Numerical modeling of fractured media. Working on the development of the DFN.Lab software (C++ / Python)
- Genetic modeling of fracture networks (thesis project)
- Characterization of fracture density variability
- Characterization of fractured rock mass effective elastic properties
- 2D image processing
- Homogenisation of geological media for the seismic wave propagation.