Engineering Software Developer

Expertise	Software Developer, expert in C++ / Python languages
Education	Master in Communications and information Theory, 2016 Beihang University, Beijing, China.
	Informatic Engineer, 2006 UNET, Tachira, Venezuela.

Professional Experience

2024 – Presente	Itasca Chile, Hydrogeology Deparment, Santiago, Chile Senior Software Developer.
2018 – 2024	Timining Spa, Software Developer, Santiago, Chile Software Developer.
2016 – 2018	Liventus Spa, Controller Maintenance Laboratory, Santiago, Chile Software Web Developer.
2008 – 2015	Agencia Bolivariana para Actividades Espaciales. Satellite Control Center, Guárico- Venezuela. Satellite control Center Engineer.

Project Experience

Software developer for analysis and visualization of information related to mining operation processes. More specific open pit copper mining. Monitoring the geomechanics of rocks based on readings from different types of sensors installed in the pit, such as: Prisms, Piezometers, Inclinometers, Pumping Wells, Accelerometers, Radar/Insar. Use of different numerical methods.
3D visualization, which allows you to see the pit and the real-time status of the mine. Data analysis, distance, speed, acceleration graphs are also done.
The programming language used is C++ and OpenGL is used for 3D visualization.