FULANO DE TAL SEM SOBRENOME

ENGINEER SPECIALIZED IN GEOMATICS AND WITH EXPERIENCE IN INFRASTRUCTURE PROJECTS IN THE MINING INDUSTRY

PROFILE

+13 of experience as Engineer, Senior Analyst and Engineering Coordinator in infrastructure projects and geographic information systems for large mining operations, with a comprehensive command of:

- ✓ Earthworks
- ✓ Drainage projects
- ✓ Roadworks
- ✓ (Containment) Dams
- ✓ Dump Sites / Sterile Dumps
- ✓ Georeferenced Surveys (INCRA)
- ✓ Satellite Imagery (remote sensing)
- ✓ Environmental Licensing

- ✓ Remotely Piloted Aircraft
- ✓ Construction monitoring
- ✓ Georeferencing of properties
- ✓ Topographic/Field surveys
- ✓ Aerial Photogrammetric Surveys
- ✓ Land Management (incl. registrations)
- ✓ Urban/Rural/Environmental Planning
- ✓ Environmental Studies

Excellent management skills, managing teams of Surveyors, Infrastructure Specialist and Engineers, in addition to structuring Surveying departments.

Defined technical guidelines and project standards, such as resources, time, risks, among others.

Coordinated and technically guided subcontracted companies.

Native Portuguese | Advanced English | Fluent French

ACADEMIC BACKGROUND

Specialization in Geoprocessing (completion in March/2018)
PUCMG - Pontifícia Universidade Católica de Minas Gerais

Degree in Surveying Engineering
FEAP - Faculdade de Engenharia de Agrimensura de Pirassununga

Degree in Electrical Engineering
UFU - Universidade Federal de Uberlândia / INSA - Lyon (France)

PROFESSIONAL EXPERIENCE

06/2008 - 07/2016

Brazilian company specializing in the mining and processing of niobium

Coordinator of the Infrastructure Discipline (Engineering)
- ✓ New Concentration Unit
- ✓ Extension of the Dephosphoration Unit
- ✓ Hydro-Metallurgical Laboratory
- ✓ Water Recirculation System of Industrial Unit I
- ✓ Expansion of the disposal capacity of the existing tailings dam
- ✓ Geometric adjustment of the basin of the future tailings dam
- ✓ Tailings drainage system of the new Concentration Unit
- ✓ Allotment with 110 residences in the city of Araxá
- ✓ Storage sheds (total area of 7000m2)
- ✓ Main sewage treatment network
- ✓ Raising of the tailings dam

Senior Analyst
- ✓ Homogenization yard of the CBMM (total area of 136,000 m²)
- ✓ CBMM Mine Feeding Point (total area of 45,000m2)
- ✓ Class II Waste Cells (4 units with a capacity of 5,000,000m³)
- ✓ Sterile Dumps (4 units with a capacity of 7,500,000m³)
- ✓ Georeferencing (INCRA) of the company's properties

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Engineer

- ✓ Topographic implementation of the tailings dam (33,000,000m³ capacity)
- ✓ Implementation of the CBMM's geodetic landmarks network
- ✓ Topographical and aerial photogrammetric surveys of the company's properties

                     Ltda.   08/2003 - 05/2008
Surveying company

Engineer

- ✓ Structured the company, adapting it to the new technological realities (equipment and software)
- ✓ Coordinated the surveying teams in the implementation and supervision of infrastructure works in mining companies in Araxá and the region.

                     Ltda.   04/2000 - 07/2003
Subsidiary of the sporting goods chain

Engineer

- ✓ Developed potential national manufacturers of sports equipment
- ✓ Coordinated the manufacturing of sports equipment

COURSES

Georeferencing of Rural Property - Geoeduc

Aerial Mapping with DJI Phantom – Droneng Drones & Engenharia

CAR (Environmental Rural Registration) – Universidade Federal de Viçosa

Geographic Information System with QGIS – Geoprocessamento Sem Fronteiras

Geoincra: Warnings, Detachment and Cancellation - Geoeduc

Spatial Databases - Graltec

Free Geoprocessing Software (QGIS) - ClickGeo

Small Unmanned Aircraft Systems (sUAS) - Canvas Network

Remote Sensing Using QGIS – GeoAcademy

Introduction to Geospatial Technology – GeoAcademy

Emergency Action Plan for Dams - Dinésio Franco Consultoria Ltda

Project Management – INDG Instituto de Desenvolvimento Gerencial

Mine Surface Drainage – TTE – Treinamento Técnico Especializado

Environmental Licensing - IETEC - Instituto de Educação Tecnológica Ltda

MS Project – BIT Company

AutoCAD Civil 3D – Highlight Computação Gráfica

Daily Routine Management – INDG Instituto de Desenvolvimento Gerencial

Evaluation of the Safety of Tailings Dams - Instituto de Educação Tecnológica Ltda

Geodesy for Georeferencing - LETEC Criciúma

COMPUTER SKILLS

- ✓ AutoCAD Civil 3D
- ✓ Topograph
- ✓ GeoOffice
- ✓ MS-Project
- ✓ Office Suite
- ✓ ArcGis
- ✓ QGIS
- ✓ PhotoScan Agisoft