



# GLQ

# GUS LOPES QUEIROZ

GEOSPATIAL DEVELOPER | GUSLQ.COM

## ABOUT

I am a Geospatial Developer with an MSc in Geography and a background in Geology. My area of expertise is the automation and streamlining of geospatial workflows. My latest projects involve remote sensing applied to forest mensuration including machine learning procedures. Throughout my professional and academic life, I have developed dozens of geospatial tools ranging from simple conversion or descriptive tools to robust geomorphological analysis software.

## TECHNICAL SKILLS

- Academic writing
- GIS & remote sensing
- Python, Arcpy
- R, MATLAB
- C#, HTML, CSS, Javascript
- Machine learning
- Multiprocessing
- Database Query
- Photoshop
- 3D Modelling

## EXPERIENCE

### RESEARCH TECHNICIAN • AGRG • 2019 - 2020

Remote sensing and GIS work (preparation, processing and analysis), geo-database management, geospatial [software](#) development. Writing reports and academic papers. Oral reports and presentations. Performing workshops.

### RESEARCH AND TEACHING ASSISTANT • UOFC • 2017 - 2019

Remote sensing research involving statistics, machine learning and programming tasks. Academic writing and [publication](#). Oral presentations in events. Teaching labs and marking assignments.

### INTERN IN MINERAL EXPLORATION • VOTORANTIM • 2014 - 2015

Geologic mapping, ore modelling, writing reports, database construction and maintenance, software development. Fieldwork.

### STUDENT RESEARCHER • UNIVERSITY OF CALGARY • 2014

Fieldwork and lab assistance, database development, UAV flight planning, software programming for GIS and applied geosciences.

### STUDENT RESEARCHER • UFPR • 2012 - 2013

Fieldwork and lab assistance, [writing](#), GIS analysis and coding.

## EDUCATION

### MSC IN GEOGRAPHY • SEPTEMBER 2019 •

#### UNIVERSITY OF CALGARY

Graduate studies focusing on remote sensing and computer vision applied to forest mensuration on the boreal forest. My [thesis](#) is entitled "Remote Sensing Boreal Coarse Woody Debris".

### BSC IN GEOLOGY • JANUARY 2016 •

#### UNIVERSIDADE FEDERAL DO PARANA

During my geology undergrad in Brazil I developed four geospatial tools which led to two published papers as main author and two papers as secondary author.

## EXTRA

When not at work, I enjoy cycling, camping and socializing with friends in lively sessions of board games. I occasionally participate in game making marathons.



GUS@GUSLQ.COM



587-433-2290



GUSLQ



GUSLQ.COM