



# Hugo Tameirão Seixas

TELLING STORIES WITH DATA

State University of Campinas

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## Education

### State University of Campinas (UNICAMP)

PHD IN ENVIRONMENT AND SOCIETY

Campinas, SP

Mar 2021 - Present

- Conducting interdisciplinary research.
- Project theme: Estimates of carbon sequestration potential by crop-livestock-forest integration systems in Brazil

### National Institute for Space Research (INPE)

MASTER IN REMOTE SENSING

São José dos Campos, SP

Mar 2018 - Mar 2020

- Physical Fundamentals of Remote Sensing, Spectral Response of Targets, Digital Image Processing.
- Dissertation Theme: Analysis of Caatinga resilience to extreme drought events.

### Limerick Institute of Technology

EXCHANGE PROGRAM: ENVIRONMENTAL MANAGEMENT

Thurles, Ireland

Jun 2015 - Jun 2016

- Scientific Methodology, Report Writing, Geoprocessing.
- Improved English communication skills.

### School of Agriculture "Luiz de Queiroz" (ESALQ-USP)

BS IN AGRONOMIC ENGINEERING

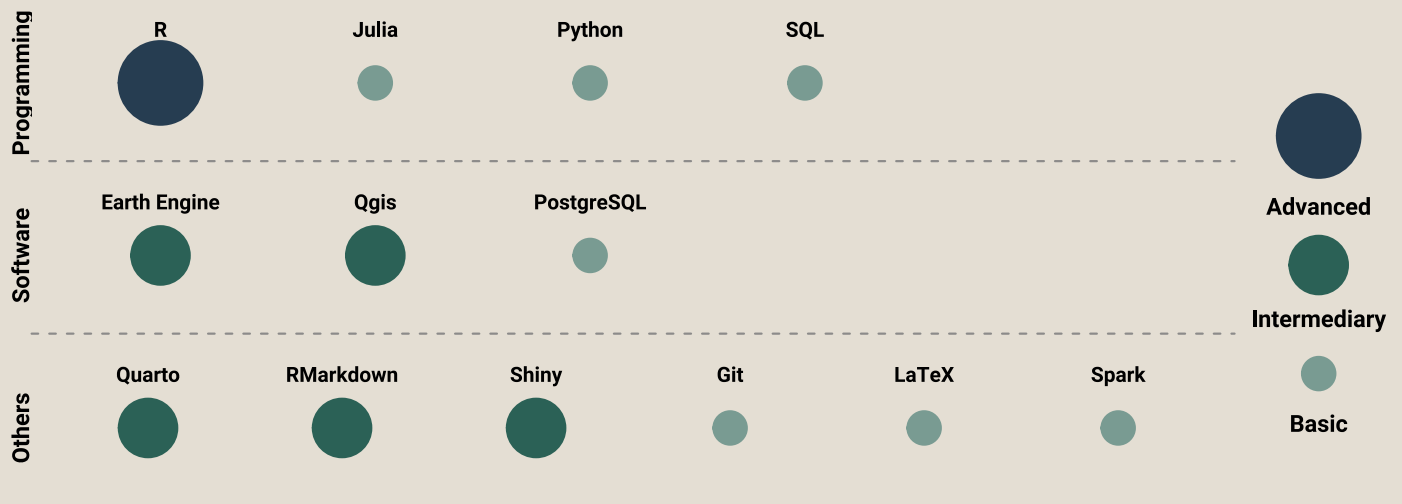
Piracicaba, SP

Feb 2011 - Jul 2017

- Plant and Animal Production, Hydrology, Introduction to Geoprocessing and Remote Sensing
- Thesis Theme: Analysis of the influence of time and storage on the spectral response of Mombasa grass leaves after sampling.

## Skills

### Technical Skills



### Language

	Portuguese	English	French
Writing	Native	C1	A2
Speaking	Native	C2	B1
Reading	Native	C2	B1
Listening	Native	C2	B1

## Professional Experience

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### Sysfer

FREELANCE DATA SCIENTIST

Campinas, SP

Nov 2021 - Jan 2022

- Development of a classification model to identify areas with probability of invasion of railway lines in the West Network.
- Results assisted in decreasing the time needed to perform visual identifications of invasions.

### Embrapa Territorial

TECHNICIAN

Campinas, SP

Mar 2020 - Mar 2021

- Project: 403965/2019-5 - Qualification of human resources at Sipam.
- Development of methodology to calculate conversion time from forest to agriculture in the Amazon.
- Conducting research on patterns of land use and land cover change.
- Use of techniques for processing a high volume of data.

### TopoGeo

INTERN

Piracicaba, SP

Sep 2016 - Jun 2017

- Assisting in studies on spectral response of vegetation in field and laboratory using portable hyperspectral-radiometers.
- “Development of publications for journals and events.”

### Cork City Council

INTERN

Ireland

Jun 2016 - Aug 2016

- Use of GIS (ArcGIS) for map creation and location benchmarking of construction/refurbishment projects.
- General office activities. Printing, scanning, file organization, field surveys.
- Assisting work in the planning department. Organizing and reviewing construction project documents. Organizing and creating spreadsheets in Excel.

### TopoGeo

INTERN

Piracicaba, SP

Jun 2013 - Jun 2015

- Assisting in plani-altimetric surveys.
- Assisting in the collection of vegetation samples in the field.
- Beginning experience using GIS such as QGIS.

## Publications

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THE DRIVERS AND IMPACTS OF AMAZON FOREST DEGRADATION, SCIENCE.

2023

EXPLORING THE ECOSYSTEM RESILIENCE CONCEPT WITH LAND SURFACE MODEL SCENARIOS, ECOLOGICAL MODELLING.

2022

RELATIONSHIP BETWEEN BIOMASS BURNING EMISSIONS AND DEFORESTATION IN AMAZONIA OVER THE LAST TWO DECADES, FORESTS.

2021

2020 PANTANAL'S WIDESPREAD FIRE: SHORT- AND LONG-TERM IMPLICATIONS FOR BIODIVERSITY AND CONSERVATION, BIODIVERSITY AND CONSERVATION

2021

RAPID RECENT DEFORESTATION INCURSION IN A VULNERABLE INDIGENOUS LAND IN THE BRAZILIAN AMAZON AND FIRE-DRIVEN EMISSIONS OF FINE PARTICULATE AEROSOL POLLUTANTS, FORESTS.

2020