

Gabriel Borges Gutierrez

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Education

Doctorate - Universidade Estadual de Campinas Research in Weak Supervision and Active Learning	Campinas, SP - Brasil 2025 - Present
Master's - Universidade Estadual de Campinas GPA: 3.78 Semantic segmentation of seismic facies.	Campinas, SP - Brasil 2023 - 2025

Skills & Courses

Programming Skills: Python, JavaScript, Rust, C#, Java, HTML, CSS

Machine Learning Skills: Semantic Segmentation, Transformers, SSL, Foundation Models, Computer Vision

Language Skills: English - Fluent, Japanese - Intermediate, Spanish - Intermediate

Courses and Certifications: Machine Learning, Computer Vision, Image Processing, Data Science, Data Visualization, Software Architectures, User Interfaces, Design

Professional Experience

Discovery Lab - Unicamp <i>Researcher</i> - Researching semantic segmentation of seismic facies in partnership with Petrobras - Also works as architect and core maintainer of an ML framework, optimizing pipelines and integrating new tools to facilitate academic research	Campinas, SP - Brazil 2023 - Presente
Teaching Internship - Unicamp <i>TA</i> Provided assistance in teaching Programming 1 (Python)	Campinas, SP - Brazil 2024.1
Artificial Intelligence Laboratory (LIA) - UFMS <i>Junior Researcher</i> Researched Fake News Detection	Campo Grande, MS - Brazil 2020 - 2022

Publications

Applying the Transformer Architecture for Semantic Segmentation of Seismic Facies 2024	<i>85th Annual EAGE Conference</i> Oslo - Norway
On the Performance Evaluation of Deep Learning Models for Seismic Facies Segmentation 2025	<i>Geophysical Prospecting</i>