

# Hugo Alexandre de Morais

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## Skills

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- QGIS | ARCGIS | SQL | POSTGRE | POSTGIS | PYTHON | JAVASCRIPT | TYPESCRIPT | REACT
- Spatial Analyses | Database Analyses | Esri Certifications | Advanced English | Web Development

## Experience

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### ASSOCIATION OF MELIPONICULTURISTS AND APICULTURISTS OF ARAXA

- **Geoprocessing Analyst (Volunteer Work)** **Araxá / MG / BRAZIL /** **Nov 2023 – Present**  
Development of projects for the preservation of native bee species in urban environments using ArcGIS and QGIS.
  - Implementation of predictive models to assess environmental impact on bee populations.
  - Collection, organization, cleaning, and standardization of data from public and private sources, ensuring quality and accuracy of databases and geospatial data.
  - Application of spatial analyses to identify and monitor critical areas for the conservation of stingless bees.

### POWER OF DATA

- **Front-End Developer Junior** **Araxá / MG / BRAZIL /** **Sep 2023 – Present**  
Designed and developed responsive web applications using Figma, React JS, JavaScript, and TypeScript.
  - Development of a interface for a Decision Engine application, specializing in loan processes and optimization.
  - Design and creation of an interface for a chatbot used in investigative operations by the Civil Police of Minas Gerais.
  - Created a customizable application interface designed to adapt to a wide variety of products, including solutions for energy companies and other industries.
  - Conducted end-to-end (E2E) and component testing to ensure functionality, reliability, and seamless user experiences.
  - Reviewed and refined application manuals to improve clarity, usability, and accessibility for end-users and stakeholders.

### BIT TECH

- **System Analyst** **Araxá / MG / BRAZIL /** **Sep 2022 – Sep 2023**  
Software house specializing in the development of technologies for mass services and insurance market.
  - User support by resolving technical issues and guiding system users.
  - Managing and updating the platform's database to ensure the accuracy and integrity of user registrations, active campaigns, and product offerings.
  - Knowledge of the company's business rules and investigation of system errors.

## Geo Web Projects

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- **DYNAMIC MAPS | JavaScript | React | Python | Folium | Esri APIs**  
Designed to showcase the power of programming with interactive maps, this app integrates Esri APIs and Python Folium to create diverse, customizable dynamic maps, demonstrating advanced features like route planning, spatial analysis, and data visualization for real-world applications.
- **REAL-TIME WEATHER | JavaScript | AccuWeather APIs**  
Using the AccuWeather Time APIs, this app quickly provides accurate and real-time weather forecasts for any city on the planet.

**Certificates** **ESRI:** Exploring GIS, Python for Everyone, Basics of JavaScript Web Apps, Using GIS to Solve Problems, ArcGIS Pro Basics, Putting Your GIS Skills to Work, Getting Information from a GIS Map, Getting Started with Data Management, ArcGIS Online Basics, Analysis in ArcGIS Online, Telling Stories with GIS Maps.

## Education

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Universidade Cruzeiro do Sul – Analysis and Systems Development.  
Faculdade Libano: Postgraduate – Geodesy, Cartography and Geoprocessing (in progress).

## Personal

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Availability for relocation and travel. Advanced English for conversation and writing.