



Data Analytics Impact Intern

Location: Iracambi Research Center, Atlantic Forest, Brazil

Duration: 6-12 weeks (flexible)

Type: Unpaid internship

Eligible Applicants: Undergraduate/graduate students in Data Science, Computer Science, Systems Engineering, Environmental Engineering, Biology, or related fields

Application Deadline: Rolling admission

Overview

Iracambi is a community of people around the world whose vision is to see the beautiful Brazilian Atlantic Forest restored, with prosperous communities living in a flourishing landscape. In our headquarters in Minas Gerais, the Iracambi Research Center spearheads our work in managing natural resources, educating for sustainability, and researching ecosystems and how we impact them.

Our Data Analytics Impact Internship Program offers hands-on field experience contributing to tracking, evaluating, and mapping the progress of Iracambi's reforestation and community development efforts, and is a unique opportunity to apply technical skills towards making a real-world environmental and social impact.

Responsibilities

Interns will organize and improve Iracambi's databases for all programs (Forests 4 Water, Smart Forests, Environmental Education, Volunteering and Research). Key responsibilities include:

- Restructuring Iracambi's database, making it accessible to team members.
- Organizing, collecting and storing environmental and geographical data.
- Helping the forestry coordinator select priority areas for reforestation based on GIS.
- Updating our GIS system with data of previously planted seedlings - following the protocol of Pacto Pela Restauração da Mata Atlântica
- Updating the database of mammal biodiversity - looking at the (hundreds of) videos collected from camera traps and identifying the species found in the videos.
- Creating periodic reports and dashboards to support decision-making by reforestation and conservation teams.
- Organizing spreadsheet data from all the programs (number of students in environmental education, numbers of trees planted annually, etc.)

Ideal Candidate

- Undergraduate or graduate student in a data science or environmental science-related program of study.
- Experience in data collection, analysis, and visualization.
- Familiarity with ArcGIS and Excel/Google Sheets. Desirable knowledge of Power BI, Python.
- Interested in using data in environmental/social contexts.
- Fluent in English (basic Portuguese is also helpful).