Position Title: Research Assistant
Eligibility: Undergraduate, graduate students.

Description:
The Yale School of the Environment (YSE) is looking for highly motivated grad or undergrad students interested in digital tools, data processing, and programming applied in the context of agriculture, climate change and adaptation, land management practices, and conservation. We seek someone who enjoys working at the intersection of data science and sustainability to understand human behavior and projects whose goals and approaches may not fit within traditional departmental boundaries.

The main duties are:

- Assisting with coding and software development and management.
- Evaluating and advising software solutions and system performance.
- Demonstrating patience and using effective explanations when advising team members from other fields.
- Incorporating front-end users suggested improvements and functionalities.
- Resolving software development and integration errors and documenting processes.
- Attending meetings with investigators and collaborators at diverse institutions such as Columbia Climate School and the Data Science Institute and reinforcing collaborations with Data Scientists at Yale.

The position starts Fall of 2023 and continues until 2024. The student needs to commit 10-20 hours per week. The schedule is flexible and will depend on the volume of ongoing activities. A weekly schedule would be discussed in advance during planning sessions. The compensation is 16,25 usd/h. There is a 3-month assessment paid period.

Qualifications required:
- Excellent coding and programming skills.
- Background in data and information science or similar.
- Knowledge of Python, Postgres database management, APIs and, UI/UX design
- Excellent team working skills demonstrated by a track record of activities involving groups/teams to accomplish tasks.
- Eagerness to learn and adapt as demonstrated by activities where this is evident.

Qualifications preferred but not required:
- Data manipulation using Numpy and Pandas
- Data visualization using Matplotlib and Seaborn
- Experience with Scikit Learn or other ML frameworks
- Intermediate to advanced level of a second language (i.e., Spanish).

Please provide an updated resume highlighting related/relevant activities to apply for this position. The cover letter should explain the applicant's profile, motivations for applying to this position, and qualifications. References will not be requested until the applicant has been moved to the finalist. Please send your applications and any questions associated with this position to the PI: Dr. J. Nicolas Hernandez-Aguilera, j.n.hernandez-aguilera@yale.edu Website: www.jnicoha.com

Start Date: 08/30/2023
End Date: 12/21/2023