Dear 2° Investing Initiative,

I am very interested in your [open position for a software developer with R](https://www.r-users.com/jobs/software-developer-with-r/). I would love to use my experience to fight climate change. Here is how my skills match what you are looking for:

### A R Coder/Software Developer who is passionate about having a meaningful, global impact

* **I am an R software developer**. I work at the [Smithsonian Institution](https://forestgeo.si.edu) for a global network of researchers who aim to better **understand and predict forest dynamics in the face of climate change**. (Unfortunately, the available funds will run out soon so I am seeking new opportunities.)
* I am passionate about having a meaningful, global impact. For example, one chapter of my [**PhD thesis**](http://bit.ly/mauro-lepore-phd-thesis) (Chapter 2) explored the potential of a coral reef system to constitute a **refuge for corals from global warming**. I also co-authored [**this paper**](https://onlinelibrary.wiley.com/doi/full/10.1111/cobi.12997) exploring how **historical data can help us make better conservation decisions**.

### Genuine interest to improve our code/software infrastructure and related services

* In my current role, for example, I **created a** [**GitHub organization**](https://github.com/forestgeo) with multiple repositories, transformed legacy code from [a collection of functions](http://ctfs.si.edu/Public/CTFSRPackage/) to [**a collection of R packages**](https://forestgeo.github.io/fgeo/) *sensu stricto*, created a [**blog**](https://fgeo.netlify.com), an internal **slack work space**, **tutorials** (see [Tutorials tab](https://forestgeo.github.io/fgeo/)), and a **custom** [**CRAN-like repository**](https://forestgeo.github.io/drat/) to manage and serve the release of internal packages.

### Experience in library creation including application of continuous integration services to ensure code quality

* In my current role, for example, I built four main libraries (a.k.a. packages) and a meta-library that installs them all with a single R command ([fgeo](https://forestgeo.github.io/fgeo)). All libraries are well tested (e.g. [here](https://coveralls.io/github/forestgeo/fgeo.tool), and [here](https://coveralls.io/github/forestgeo/fgeo.analyze)), and connected to a [**continuous integration service**](https://travis-ci.org/forestgeo) so that every change **automatically builds, checks and deploys each library and its associated website.**

### Strong R skills (3+ years’ experience in software development with R in a working context), proficiency with git

* I am **proficient with** [**Git**](https://www.dropbox.com/s/yeti01v9mcj9s71/2018-11-05_git.pdf?dl=0). Over the past year, I have [**pushed to GitHub over 5500 commits**](https://github.com/maurolepore).
* I have about **five years of experience developing R software for work**. From 2013 to 2017, I developed R software for my doctoral and postdoctoral research. Since August 2017 my official job title has been “R package developer”. Beyond my paid work, I regularly [contribute to the R community](http://bit.ly/mauro-lepore-about).

### A pro-active problem-solver with strong analytical skills and a good sense for code quality

* I **solve problems pro-actively** every day. In my current role, I am the only software developer. I find solutions **independently**, often in books, blogs or by asking other R developers online (I reach excellent R developers on the private slack work space of [rOpenSci](https://ropensci.org/)).
* I developed strong **analytical skills during my PhD and postdoc**.
* I developed a good sense for **code quality via workshops** (e.g. [Building Tidy Tools](https://blog.rstudio.com/2018/04/09/building-tidy-tools-workshop/)), and **books** (e.g. [R packages](http://r-pkgs.had.co.nz/), [The pragmatic programmer](https://pragprog.com/book/tpp/the-pragmatic-programmer), [Code complete](https://www.amazon.com/Code-Complete-Practical-Handbook-Construction/dp/0735619670), [Refactoring](https://martinfowler.com/books/refactoring.html), etc.).

### Further technical expertise, such as web development, data visualisation, GUI development (e.g. with RShiny) as well as experience with SQL and Docker is very welcome

* I have **experience building** [**websites** for R packages](https://forestgeo.github.io/fgeo/), [blogs](https://fgeo.netlify.com), [**RShiny apps**](https://maurolepore.shinyapps.io/plottrait/). I also have some experience with **SQL queries**.

### Fluent English

* I am very **fluent** in English. I have **lived in English speaking countries for almost 10 years** now.

I am happy to discuss your needs and negotiate creative solutions to start working as soon as possible. For hiring purposes, you might want to know that I am a citizen from Argentina and Italy–meaning that I can work legally in Europe. In addition, I am two years into a US H1B visa, meaning that a new US employer can transfer and use my visa for another four years.

I look forward to meeting you soon. I would love learn more about your mission and further discuss how I can contribute to it.

Best regards,  
Mauro

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[LinkedIn](https://www.linkedin.com/in/mauro-lepore/)  
[Recent contributions to the R community](http://bit.ly/mauro-lepore-about)