Hello Prospective Censys Summer 2022 Intern!

Thank you for your interest in an internship at Censys this summer! As part of the application process, we'd like for you to complete the following coding assignment.

Using the [Censys API](#) and [Python library](#), implement a small Container (Docker) image that queries the [Hosts Index](#) and outputs the JSON response for a given IP address. The image should take an IP address as its one and only entrypoint argument. For example, providing the IP address of "8.8.8.8" will return the JSON document located [here](#).

Please use a Dockerfile or buildah script to build your container image. Do not hardcode your Censys API credentials into the image, instead please provide a way to provide them to your container image at build time.

Like our own code, we expect documentation explaining how to execute and run the code and build your container: whether it's an automated make task, or simple manual steps. Please use your own (free) Censys account for this. If you encounter quota issues, please let us know and we can increase your API quota.

To help set expectations, we believe this should take 1-2 hours to complete; we're mostly just looking for something to discuss. We're not looking for anything gorgeous or perfect.

When you are ready to share your work, please send your file(s) to internships@censys.io with **Subject Line: First Name, Last Name: Coding Assignment**. Please take all the time you need to submit your work, but know the sooner you do the sooner we can review it and move you forward to next steps.

If you have any questions about this exercise, please reach out to internships@censys.io and someone from our team will respond within 2 business days.

Sincerely,
The Censys Hiring Team