Hi whomever,

The UF job posting at the White Lab caught my eye when I read this (quoted):

“Computational research, open source software development, and open science approaches are core components of research in this lab … time-limited position will develop and maintain open source software designed for working with large amounts of heterogeneous data, making predictions for ecological systems, and providing infrastructure for ecologists to share and improve predictions.”

I believe I am qualified, and I prefer a time-limited position.

I devoted nearly a decade to the UF Astronomy dept. as the Coordinator of Computers Apps.,

where I developed a considerable amount of custom Infrared instrument control and data

acquisition software. In 2007 I decided to return to NASA (Goddard Space Flight Center),

where I worked as a contractor before my UF Astronomy position. At Goddard I've worked on

a variety of Astrophysics and Earth Science projects over the years as a scientific programmer

and systems engineer. When I returned there in 2007 I joined the Earth Observing System

data-center, one of my tasks was to prototype an OGC caching web map server (WMS-C). I

was asked to do so using Python and open-source tech.; this included Python Imaging Lib (PIL),

Mapnik, Matplotlib-Basemap, and other components (Apache HTTPD with mod\_python, etc.).

I provided a test client using Openlayers and my WMS-C was deployed in 2008 as an element

of the Giovanni system:

<http://disc.sci.gsfc.nasa.gov/giovanni>

I noticed the job posting indicated a need for someone with some GIS experience, and I would

like to revisit this technology after the passage of 7 years! Consequently I have resurrected some

of my old source code and pushed things up to my GitHub account(s). I have also started to

prototype some investigative apps. using node.js server-side, and comparing the latest releases of

Leaflet with Openlayers-3 browser-client-side. Please feel free to take a look at this GitHub

repository and the demo it describes (domains earthlimb.net and earth.eviz.biz):

<https://github.com/evizbiz/earth.eviz.biz>

and my (somewhat dated) mod\_python WMS-C (I plan to refurbish via Flask-Websocket):

<https://github.com/honsys/vipilwmsc>

The description of the White Lab at UF is quite appealing and I would be delighted to talk to

folks there about their activities and how I can help. Also, I have inserted a scan of my favorite

annual review letter from the UF Astronomy Dept. into the next page; enjoy! Thanks in advance

for your consideration.

Sincerely,

David B. Hon

