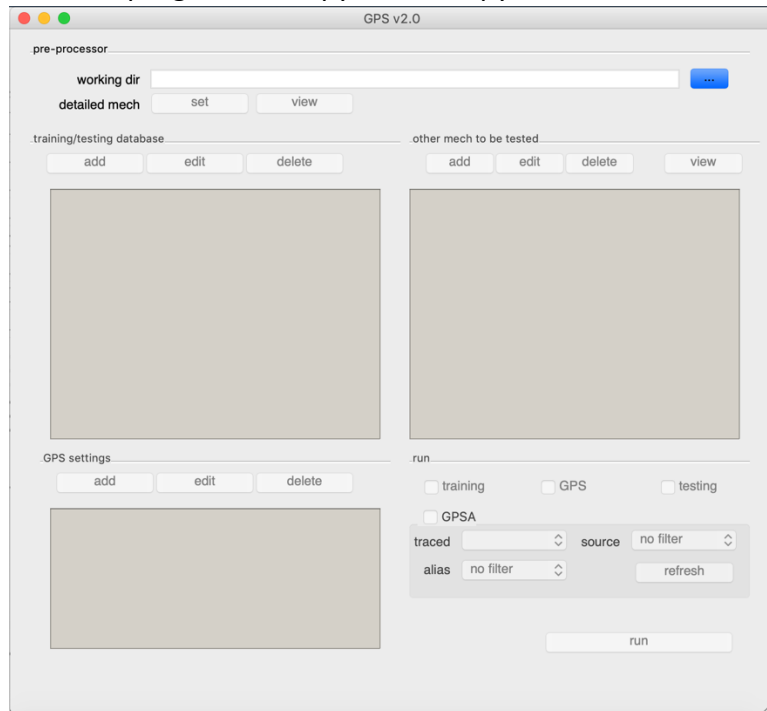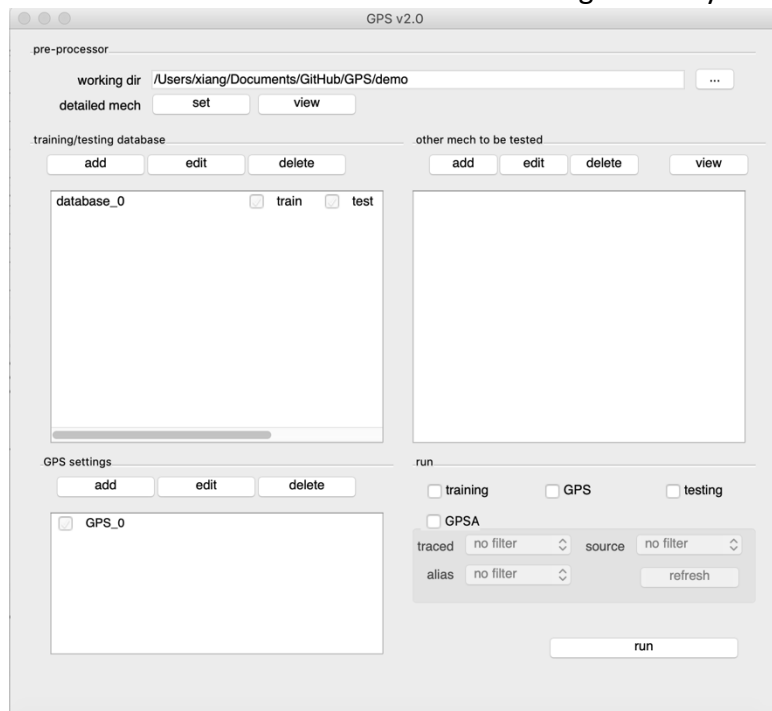## Step 1
Start the program with `python GPS.py`. The UI below is expected to show up.
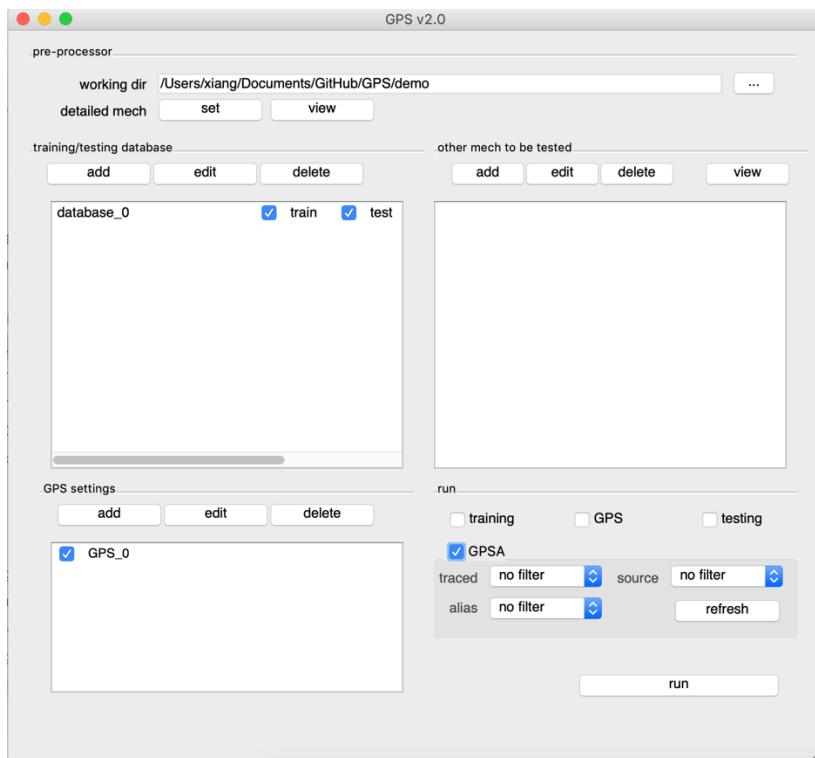

Step 2
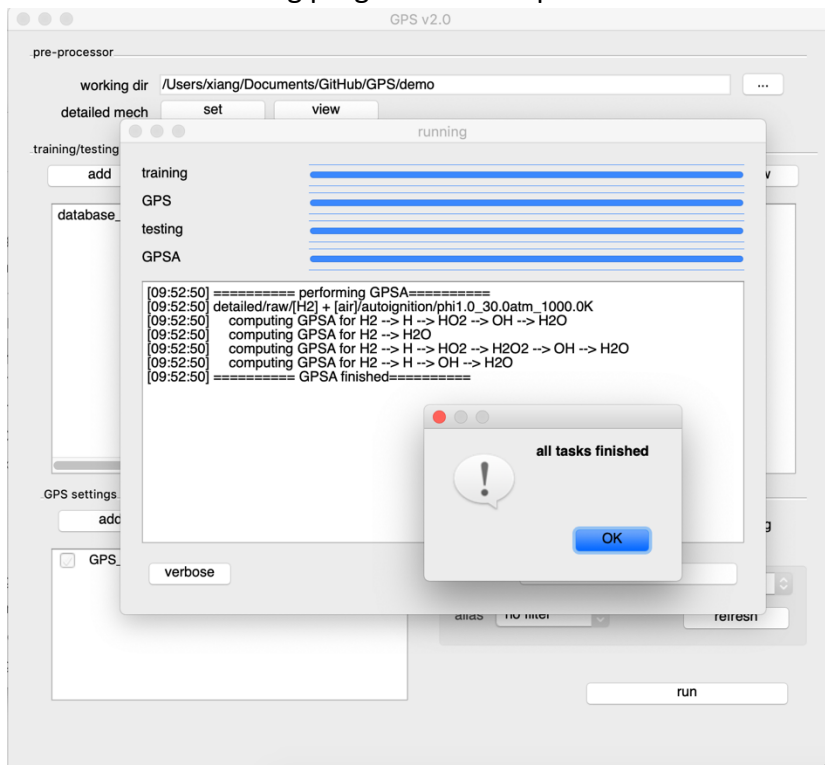Click the blue button above to select working directory

Step 3

Choose the `GPSA` box (if you haven't computed before, also choose `train` and `GPS`), and then click `run`.
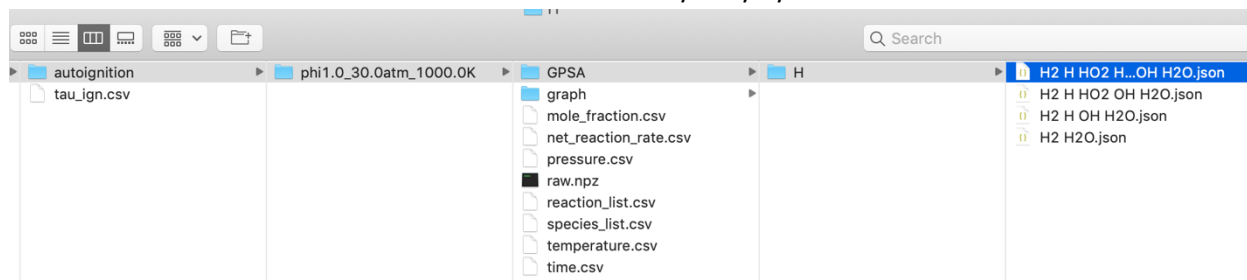

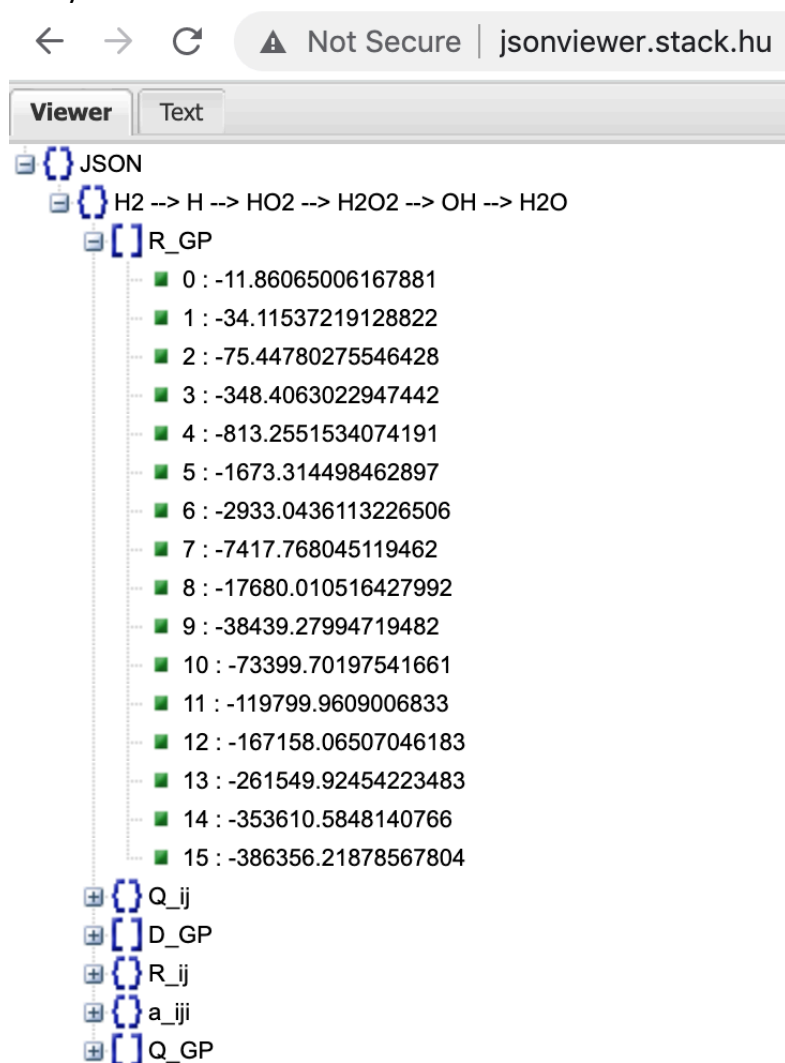And then the following progress bar is expected to show.

Step 4

The GPSA results are saved as JSON files in `detailed/raw/…/GPSA` folder

And you can view the JSON file in a JSON viewer.

Step 5

You may also use the `post processor` tool to visualize the pathway

$H_2 \rightarrow H$

$H_2+HO_2=H+H_2O_2$

$H_2+O=H+OH$

$H \rightarrow HO_2$

$H+N_2+O_2=HO_2+N_2$

$H+O_2+M=HO_2+M$

$HO_2 \rightarrow H_2O_2$

$H_2+HO_2=H+H_2O_2$

$2HO_2=H_2O_2+O_2$

$H_2O_2 \rightarrow OH$

$H_2O_2(+M)=2OH(+M)$

$H+H_2O_2=H_2O+OH$

$OH \rightarrow H_2O$

$HO_2+OH=H_2O+O_2$

$H_2O_2+OH=H_2O+HO_2$

-10^3 -10^0 -10^{-3} -10^{-6} 10^{-9} 10^{-6} 10^{-3} 10^0 10^3

$R_{i \rightarrow j}$ [mole/m^3-s]