

*post\_from\_excel.py*

* I imported the modules I needed for the project such as JSON, for the data formatting and Panda and Bluesky for posting.
* Adding secrets so that git can point to where the files are and where the data is stored
* I then added debug and reset the JSON allowing it to be forced
* I then defined the column search and formatted texts to Bluesky’s config
* I then looped the process of logging in and finding the column, and posting

*.github/workflows/post.yml*

* I set the workflow name and told GitHub to run it automatically every 10 minutes, or manually if I click "Run workflow."
* I told GitHub to use an Ubuntu server and gave it permission to commit the JSON state file back into the repo.
* I added a step to download all the files from my repo into the GitHub runner.
* I installed Python 3.11 and the required tools – Panda, at protocol
* I added a debug check to list the files and confirm the Excel sheet is in the right place.
* I ran my Python script with environment variables (secrets for Bluesky login, and the path to my Excel sheet).
* I committed and pushed back the updated last\_row.json file so the script remembers which rows were already posted.