BUILT
R O B O T I C S

Jumble Challenge

Challenge prompt

Can you build a jumble solver in Python 3?

You'll have to download a word list, and then take a word as user input (CLI is fine), and finally return matching "sub-anagrams". Make sure your program can find words that use a subset of the provided letters, as well as true anagrams that use every letter.

Example

```
$ python3 jumble_solver.py word_list.txt dog
god
go
do
```

Reference

- About jumble: https://en.wikipedia.org/wiki/Jumble
- Example word list: http://www.mieliestronk.com/corncob_lowercase.txt

Deliverables

- A working Python program (can share via gist)
- A link to the word list (if different from example)
- Clean, legible code (refer to PEP8 and the Google Python Style Guide)
  - Bonus points for mypy type annotations
- Sufficient documentation, including a complexity analysis of your algorithm

Finally, feel free to Google around a bit to understand the problem, but of course make sure the work is your own :)