

3.5 / 5.0

A Python World View

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Python 1.0: the basic library, read the docs, reviewed it all, mentally incorporated... some of the 200+ modules and 10,000+ commands this represents. FizzBuzz, not a problem. Have done implementations of Craig Reynold's Boids, Eight Queens Problem, and Conway's Life.

Python 2.0: a semi-thorough review of the second party libraries (Numpy, Skimage, Scipy, Pandas, and Networkx to name just a few). I've done enough poking around, I think, I believe that I just might have a pretty good overview of the Python ecosystem and what's out there. Have personal library of image manipulation utilities using Numpy (mostly) and done extensive data wrangling in Panda's (but for the last project of that nature used sqlite3, which just might be better),

Python 3.0: an understanding of classes & modules. Of course, classes are overkill for simple scripts (and that's mostly what I do, so experience is limited), but there comes a point, when the solution is best served by a class and/or a module. And for examples of this, I would point to my experiments with genetic programming and the local/remote (system/web) scanners that I've been working on, as of late: scan, detect, modify, and imaging.

Python 4.0: a level of competence, which I don't feel represents my current ability, but which would include making a complete library; but I did give myself that rating of 3.5, because I am beginning to touch on parts of this with my web scanners and image manipulation subroutines, while:

Python 5.0: would comprise a working knowledge of C (and why learn C if not taking on Linux concurrently), so that one could create Python extensions or perform maintenance on the base library, but these forays are still at the rudimentary stages. And that's pretty much where I stand.