

PYTHON PROGRAMMING LANGUAGE

Python is a fully-featured high-level language. It has very mature image, machine learning, and scientific libraries. I chose Python because of its minimalist syntax and batteries-included nature. Python also does not require compilation, which speeds development.

Why not Java: Java is a very good language. However, I found myself writing my own libraries for basic image processing / manipulation tasks. Also Java does not integrate easily with C++ or Python.

Why no C/C++?: A large base of image processing and scientific libraries exist for C++, and the language is very widely used. However C++ is challenging to learn, and I found myself overwhelmed by the sheer scope of the language.