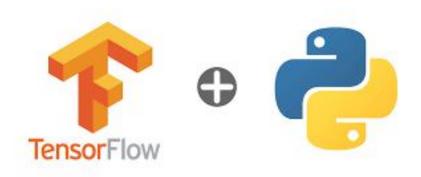BETIUC CLAUDIU CIPRIAN, B3

Why choosing Python for AI?

➕ Python involves very less coding and simple syntax among other programming languages which can be used for developing AI applications. Due to this feature, the testing can be easier and we can focus more on programming.

➕ A major advantage for using Python for AI is that it comes with inbuilt libraries. Python has libraries for almost all kinds of AI projects. For example, NumPy, SciPy, matplotlib, nltk, SimpleAI are some the important inbuilt libraries of Python.

TensorFlow + Python

TensorFlow is built in C++, which enables the code to execute at a very low level. TensorFlow has bindings to different language like Python, R, & Java.

Pros and cons in using Python + TensorFlow:

➕ State of the art machine learning library.

➕ High performance, matching the best in the industry.

➕ Unique approach allows monitoring the training progress of your models and tracking several metrics.

➕ Great community support.

➖ Some gaps in documentation

➖ Some machine learning packages support more types of models out of the box.

Useful links:

- Python + TensorFlow used in chess game implementation: https://www.youtube.com/watch?v=bJfqn4Ysvsk

- Why Is Python So Good for AI, Machine Learning and Deep Learning? https://www.netguru.co/blog/why-is-python-so-good-for-ai-machine-learning-and-deep-learning

- Reasons to Choose Python for AI Based Projects: https://hackernoon.com/reasons-to-choose-python-for-ai-based-projects-7e3e6c8b954a

- Java chess implementation: https://codereview.stackexchange.com/questions/71790/design-a-chess-game-using-object-oriented-principles