Review of "A Tour of TensorFlow"

Writer of the paper: Peter Goldsborough
Reviewer: Jona Neumeier

Please note:

This review is only my own opinion and should in no possible way taken as personal criticism.

General Verdict:

The paper provides a good overview of the software library TensorFlow. It is good designed, as it introduces the complex software step by step and therefore very easy to comprehend. One point of criticism is that citations are very little used. There are several paragraphs where it is not clear from where the information is coming from. Examples for that are "Computational Graph Architecture", "Placement Algorithm", "Cross-Device Execution" and more highlighted in the commented paper. It would also be nice if some concepts would be introduced briefly – What is a gradient, what is a subgraph, ASIC is not defined. Because these concepts are very important to understand the software. Graphics, Tables and Code snippets are used very smart and add critically to the understanding of often complex concepts. Code snippets, and the whole program in the appendix, are very well commented and are really understandable because of that.

Outer structure:

The outer structure of this paper meets all the required needs. There is only one exception in the appendix. Otherwise the headlines, texts and bibliography are all good. Also in the paragraph "TensorFlow Programming Interface" there is one error with the change of bold on the word "running".

Language:

The language is really good; I have found nearly no flaw. It meets all requirements of the English language.

In summary this paper gives a really good introduction of the software library TensorFlow.