TensorFlow Development Trends for Future

- As TensorFlow's market share among research papers was declining to the advantage of PyTorch TensorFlow Team announced a release of a new major version of the library in September 2019.

- TensorFlow 2.0 introduced many changes, the most significant being TensorFlow eager, which changed the automatic differentiation scheme from the static computational graph, to the "Define-by-Run" scheme originally made popular by Chainer and later PyTorch.

- Other major changes included removal of old libraries, cross-compatibility between trained models on different versions of TensorFlow, and significant improvements to the performance on GPU.[29]