

## **DLPaper2Code: Auto-generation of Code from Deep Learning Research Papers**

With an abundance of research papers in deep learning, reproducibility or adoption of the existing works becomes a challenge. This is due to the lack of open source implementations provided by the authors. Further, re-implementing research papers in a different library is a daunting task. To address these challenges, we propose a novel extensible approach, DLPaper2Code, to extract and understand deep learning design flow diagrams and tables available in a research paper and convert them to an abstract computational graph. The extracted computational graph is then converted into execution ready source code in both Keras and Caffe, in realtime. An arXiv-like website is created where the automatically generated designs is made publicly available for 5; 000 research papers.

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