Homework

Arthur J. Redfern
axr180074@utdallas.edu
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0 Logistics

Dates

Assigned:	Wed Oct 03, 2018
Due:	Wed Oct 10, 2018

Upload via eLearning **<-- note new submission process**
Include a pdf file for your answer

1 Assignment

xNN papers are published on a daily basis, some relevant to your interests. A good skill to develop is reading papers quickly to recognize key ideas and understand where they fit in with existing techniques.

This homework serves 2 purposes:

1. Complement the relatively light presentation of material in the design lectures on either (a) optimized architecture search or (b) feature map visualization; your choice
2. Practice reading papers on arXiv and quickly distilling key ideas

The assignment is as follows:

1. Choose a paper from arXiv on either optimized architecture search or feature map visualization; your choice (see design lecture slides 107, 108 and 114 for references, but feel free to use your own)

2. Put together a ~ 1 page write up on the key idea(s) in the paper; feel free to cut and paste figures etc., just be liberal with your references to give full credit to original authors

An example ~ 1 page write up may look something like:

A Brief Review Of Paper Title
Author Names
arXiv link

0 Reviewer

Your name
Your NetId
Your email

1 Summary

1 – 2 sentence description of the motivation behind the paper
1 – 2 sentence description of the key idea(s) in the paper (in words)
1 – 2 sentence personal commentary on what you think of the paper

2 Details

Some math-ish details describing the key idea(s) in more detail; probably a paragraph or so, feel free to cut and paste equations and / or figures

3 Results

Some of the results achieved in the paper; feel free to cut and paste tables and or figures