CS 520: Assignment 4 - Colorization

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December 15, 2018

0.1 Introduction, group members and division of workload

In this group project, we implemented a image colorizer which can generate satisfying color images given grayscale images.

Name RUID	Workload
Haoyang Zhang 188008687	Implemented a toy CNN based on numpy. Wrote Usage.html and HowToBuildACNN.html which are two documents about the toy CNN. Wrote part of the report. Analyzed the performance of this model on images belonging to some classes that have never been trained before.
Han Wu 189008460	Wrote part of the report and participated in the discussion. Analyzed the outcome of our colorizer.
Shengjie Li 188008047	Implemented the colorizer. Trained the model. Wrote part of the report. Finished the format design of the report using LaTeX.
Zhichao Xu 188008912	Wrote part of the report. Came up with the original structure of network.

0.2 The Problem