**GROUP NAME**  
**June 25, 2024**

**CS 539**

**Will Buchta, Deena Selitsky, Sarah Semy, & Humza Qureshi**

Each group should post a 1-2 page project proposal in PDF to the Canvas. Your proposal should include a brief, descriptive name of your project. Your name should be something memorable! In the proposal, you should address the following issues:

* **What is exactly the function of your tool (or a method)? That is, what will it do? Will**

The tool will take images that are in black and white and translate them to color.

* **Why would we need such a tool (or a method) and who would you expect to use it and benefit from it? Deena**
  + Restore old black and white photos
  + Convert black and white video to
* **Does this kind of tools/methods already exist? If similar tools/methods exist, how is your tool/method different from them? Would people care about the difference? How hard is it to build such a tool/algorithm? What is the challenge?**

**Humza**

* **How do you plan to build it? You should mention the data you will use and the core algorithm that you will implement (either existing algorithm for tools or new algorithm for methods).**

**Deena – I will build a CNN that will...**

Humza- GAN

Will-Autoencoder

* **What existing resources can you use?**

**Sarah**

We can look at videos online to determine...

* **How will you demonstrate the usefulness of your tool/method? Will**

We will demonstrate the usefulness of our tool by doing a demo in our presentation and creating a website that shows the before and after with our models.