# Planning log

The challenge:

Be able to generate movie scripts using new or existing methods of AI text generation.

## **Week 1:**

This week I just need to focus on learning about the theory of what I am trying to do so I have a good foundation to work on

Learn python(Possible lasting value)

I am going to need to learn how to code in python as it seems to be the language of choice for this area of computer science. I will make a quick rundown tutorial in my research document about the basics of python. This could be helpful to someone who is a proficient programmer but doesn’t know any python and could get them a quick start.

## **Week 2:**

This week I want to program a neural network and possibly make a tutorial on it

Understanding neural networks(Lasting value)

This tutorial is intended to take someone from having no knowledge of how a neural network works and get them to the point where they can understand the core fundamentals.

Make a tutorial on making a basic neural network(Lasting value)

This tutorial along with the understanding neural networks tutorial will be very useful tools for people who where in my position of knowledge starting this project. Together these get you to understand how they work and implement one from scratch with python. Getting through these two tutorials could be the thing that it takes to get people into the field that otherwise wouldn’t have tried to due to the difficulty that I faced when starting with nothing.

## **Week 3:**

This week I want to set up the model like in the Gwern blog

Tutorial on how to make a venv in python 3.8(future value)

Even though I didn’t end up needing python 3.8 this tutorial will still be useful for people as a future proofing method. When the library’s required for this are updated to be 3.8 compatible this tutorial could replace the 3.7 tutorial that is currently required to set up a venv for training.

Tutorial on how to set up a venv in python 3.7 using anaconda(lasting value)

This tutorial has direct value to someone who would be following the how to set up a training model tutorial as a 3.7 venv is required for setting up all the required library’s and for training.

Tutorial on setting up and training the model(lasting value)

This tutorial will help teach people the basics of setting up models and getting training data from other people’s code. I believe this tutorial will help people who are like me who getting into an area like this felt overwhelmed about trying to hack other people’s code together. This tutorial shows how easy it can be and could discourage people from just forgetting about the subject thinking it’s too hard. It also fills in some of the gaps left out on other tutorials that I had to figure out.

## **Week 4:**

This week I need to finish setting up the model and make my tutorial website for it

Learn HTML:

I will need to learn HTML so I can make a website

Make a tutorial website for the model(lasting value)

Making the website means that john can now put it up for other people to use so the tutorial would be accessible.

## **Week 5:**

Most of my work is now research so john suggested making a map of how to find papers

Map of how to find academic papers on text generation(Lasting value)

Making a map of where I found my academic papers was johns’ idea. I now see the value of it after trying to find papers myself. It can be hard to find exactly what you need so this map will be helpful for people looking for papers in the same area so they will know where to look and where not to look.

## **Week 6:**

This week I need to setup GitHub

Set up GitHub(Possible lasting value)

A GitHub repo with all my code and documentation would be helpful to anyone wanting to continue the project. I could provide as the foundation they could use to push the area further.

## **Week 7:**

This week I need to start producing some code to put in the GitHub

Do work on texar(Possible lasting value):

Another example of setting up and hacking together other peoples code could be useful for people still a bit weary of diving into library’s themselves. It also opens up the opportunity for me to make future tutorials.

## **Week 8:**

This week I was gathering all my information up to date and getting it into a Git Repo as well as making a blog website.

Blog Website(Lasting value)

This blog website will be one of the most valuable things I have made as it contains independent tutorials on everything I have done and then a full walkthrough from start to finish of where I am at with this project. This will be very useful to people trying to find either those one-off tutorials or to work on the same kind of project.