CSC 480 Project at Cal Poly Slo Instructor: Rodrigo Canaan

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## Summary:

The project uses the torch framework, numpy library, and NLTK library. You need to download these to be able to run the code. Credit is given to these libraries/framework.

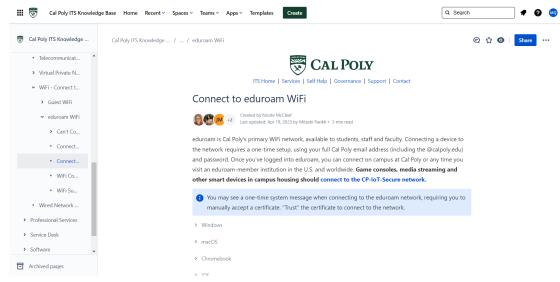
## Steps:

- First open VS code and then select python language.
- Second download numpy using "pip install numpy" (NumPy Installing NumPy)
- Third, download the NLTK library by running "pip install nltk" (How to Download & Install NLTK on Windows? GeeksforGeeks)
- Fourth download the torch framework(<u>Start Locally | PyTorch</u>)
  - This video was able to help me download torch but it might not work for you as I have tried several videos before getting to a solution. Instead of choosing "conda" I choose "pip" to install torch
    - https://www.youtube.com/watch?time\_continue=81&v=z-9ZnzIXUs4&emb eds\_referring\_euri=https%3A%2F%2Fwww.bing.com%2F&embeds\_refer ring\_origin=https%3A%2F%2Fwww.bing.com&source\_ve\_path=Mjg2NjY &feature=emb\_logo&ab\_channel=StatsWire
- Once you have the libraries and framework installed this is how you can run the program.
  - First in the terminal run "python train\_data.py" (I don't think you need to run this since the data is already trained).
  - Second in the terminal run "python chat.py". Once you do that you will be presented with this prompt

- From any of those 5 problems you can ask questions about it and it should direct you to the right link for you to follow instructions on.
- So lets say if you are having issues connecting to Wifi type in "Could you help me connect to Wifi" and the bot will respond with something like this:

```
[nltk_data] Package punkt is already up-to-date!
Let's chat! type 'quit' to exit
Here is what I can help you with
D - Duo
- Tech Rentals
- Eduroam Wifi
- Setup VPN
- Software
You: could you help me connect to wifi
ITS BOT: Go to this link for Eduoram guide: https://calpoly.atlassian.net/wiki/spaces/CPKB/pages/2425416/Connect+to+eduroam-You: []
```

It will give you a link that you can hover and click on which will take you to instructions that will look something like this:



- It might require you to login with cal poly credentials since only cal poly students have access to it.
- If you want to get responses for each category try something along these questions
  - Wifi
    - "Could you help me connect to Wifi"
  - Duo
    - o "Help with duo"
  - Setting up VPN
    - "Can you help with vpn"
  - Softwares
    - o "How do I download softwares"
  - Tech Rentals
    - "How do I rent out computers"