

CSC 480 Project at Cal Poly Slo

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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(Start Locally | PyTorch)
 - 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&embeds_referring_euri=https%3A%2F%2Fwww.bing.com%2F&embeds_referring_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

```
[nltk_data] Downloading package punkt to
[nltk_data] C:\Users\requi\AppData\Roaming\nltk_data...
[nltk_data] Package punkt is already up-to-date!
Let's chat! type 'quit' to exit
Here is what I can help you with
- Duo
- Tech Rentals
- Eduroam Wifi
- Setup VPN
- Software
You: 
```

- 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
- 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: []
```

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- 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:

The screenshot shows the Cal Poly ITS Knowledge Base interface. The left sidebar contains a navigation menu with categories like Telecommunication, Virtual Private N..., Guest WiFi, eduroam WiFi, Can't Co..., Connect..., WiFi Co..., WiFi Su..., Wired Network..., Professional Services, Service Desk, and Software. The main content area displays the article 'Connect to eduroam WiFi' by Nicole McClellan, last updated on April 19, 2023. The article text explains that eduroam is Cal Poly's primary WiFi network and provides instructions for connecting. A blue callout box contains a system message about accepting a certificate. Below the text, there are links for Windows, macOS, and Chromebook.

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- 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
 - “Help with duo”
 - Setting up VPN
 - “Can you help with vpn”
 - Softwares
 - “How do I download softwares”
 - Tech Rentals
 - “How do I rent out computers”