

Setting Up Streamlit Environment on Windows

Step 1: Install Chocolatey

- Open an Administrator Command Prompt
- Within the prompt, copy and paste the following:

```
@"%SystemRoot%\System32\WindowsPowerShell\v1.0\powershell.exe" -NoProfile -InputFormat None -ExecutionPolicy
```

Step 2: Install Git, Atom

- Within the prompt, type in the following:

```
refreshenv  
choco install git atom
```

Step 3: Set Up Atom CLI Tools

- Within the prompt, type in the following:

```
refreshenv  
cd %localappdata%
```

- Type in `cd atom/atom` then press tab to autocomplete
- Finally, type in `atom.exe --squirrel-install`

Step 4: Set Up Miniconda

- Get the official [Miniconda executable](#)
- Go through the installation process
- Ensure that the `ADD to PATH` checkbox is selected.

Step 5: Create a Virtual Environment

- Type in the following:

```
conda create -n chanr_community python=3.6.9 anaconda
```

- When the prompt opens, type in `y` and hit enter.
- Once all packages finish installing, type in the following:

```
conda activate chanr_community
```

- Then within the prompt, install streamlit and wordcloud

```
pip install streamlit wordcloud
```

Step 6: Set Up Hydrogen

- Within the prompt, type the following:

```
cd ../../Users/${Your Computer Username}/Desktop  
mkdir streamlit_workshop && cd streamlit_workshop  
mkdir apps && atom .
```

- When the Atom window opens, close the Welcome Guide.
- Uncheck the box that says Show Welcome Guide on Startup.
- Close the tab.
- Support Atom by allowing telemetry consent.
- Hold ctrl and press ,
- Within the pane, select Install.
- Install Hydrogen on right window.

Step 7: Register Your Virtual Environment as an Acceptable Kernel on Hydrogen

- Within the prompt, type in the following:

```
python -m ipykernel install --user --name=chanr_community
```

- Restart Atom by Closing the tab and typing the following in the prompt:

```
atom .
```