***Davis Data Science Club***

*Spring 2023*

*Sign Language Detection*

Youtube reference: <https://youtu.be/dZh_ps8gKgs>

Installations or Updating

Anaconda - [https://repo.anaconda.com/archive](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbW5fNVVsU1pxMzZzS3o2RlYybm1sR2Z4NmMwd3xBQ3Jtc0tuSjZGRjRpdWJ4RnNUYU9CNlR1UU5kc2RyU1VuLXVKeTJTQy1VN3lMSk91eW0xa2ZFRHJoMFVVN0RlX041Qy02dkNubVRDcTN3WENuamFJM2hFTUluRlNtUTRvUlpyQVpoSkZTVUxRM25CeHNjdDVwTQ&q=https%3A%2F%2Frepo.anaconda.com%2Farchive&v=dZh_ps8gKgs)

Visual Studio - [https://visualstudio.microsoft.com/vs...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbWh2X2dQSk40QVBDdVdNaWJ1VE1NTVZ3MmxlQXxBQ3Jtc0trRU43WFI4NnpMNTA3SVVxbWJKWjFDUG1JMmpfdTBYaTIxZno5THNBM044RlJNT0JHSEotaHpqWDJid0lJN1JxcFp6NkxpQzBHVGl0Mk5kRUtFb0s1NGdERjQ1bnNZZG1FT2g0WGxDR1hZdTZWZUh1cw&q=https%3A%2F%2Fvisualstudio.microsoft.com%2Fvs%2Fcommunity%2F&v=dZh_ps8gKgs)

**Optional: If you are NVIDIA**

**CUDA 10.1 -**  [**https://developer.nvidia.com/cuda-10....**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqblVLUXUyVzdVaVBtTFlnQzg5LTlSVUJzYWlfQXxBQ3Jtc0tsb0FmLURyN0xXbVcwT0Ztc1NTVm5lclFIWF9iRXI5VDBuck5QMFJ6a2tvNzJIV09QMm81M082a0FIbEx6MnNlNmw5SDVLbWtnREZOZlU0SUkwQWJ1a0hYWkpwcWJ1QW12V0thbW0tTTE4VU9ZOWx2cw&q=https%3A%2F%2Fdeveloper.nvidia.com%2Fcuda-10.1-download-archive-base&v=dZh_ps8gKgs)

**CUDNN 7.6.5 -**  [**https://developer.nvidia.com/rdp/cudn...**](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqbkxaRUJSVHlZcXhJaUh0aFBlRDFoRkgxVndHQXxBQ3Jtc0tsQlpiWFpnQjV3bUVLY1RzZUZmaTBKYVQ1eDR1V3V6N2NtMUhzdDdmNkRPTDJwcndidE14bzJlSXdHQlNOcDFScDJfNFJLM2c4MmVxSXlUajM0OVpsRDFwSGtSa0doOFRtamg4OEN0cHdxQlVaVkJWMA&q=https%3A%2F%2Fdeveloper.nvidia.com%2Frdp%2Fcudnn-archive&v=dZh_ps8gKgs)

Protoc - [https://github.com/protocolbuffers/pr...](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa2FXenlURkQ3Z1QxSjAtVVNVZTNXR3BXR3puUXxBQ3Jtc0ttNG9ucVZOQkVZdTRCdFY0Xy1fME4xTlVnS1ZEeTJIeHpJNmVYR2pxN3N2bFVYbEh2T0lySGlJdDg2ZUFhckxET2VKZVJpZXhJMEh3UFVYSzFCcVRmMEEwVlpWUGVlWWNIVW9wREwya1B3dkZzMGNfSQ&q=https%3A%2F%2Fgithub.com%2Fprotocolbuffers%2Fprotobuf%2Freleases&v=dZh_ps8gKgs)

Tensorflow Models GitHub - [https://github.com/tensorflow/models](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa0pPX213OEUwUlI1OWFTZE8zYzR6U3Zwd19JZ3xBQ3Jtc0tuNHdjLXZyNmoyUV80dGx0TTVoT2dBQ2RfOVptVTZReHNVM1lBenFDcUgxaDlMOTN5WFpIcUtkWUs2aFlEaHdqa294UmJzQ0VpeWh5LXdNYjljX2luRFhDLXlBdmpQTWxKaVlyMFVDcjY2emVnbEFhTQ&q=https%3A%2F%2Fgithub.com%2Ftensorflow%2Fmodels&v=dZh_ps8gKgs)