Technical Setup: Machine Learning

Technology Requirements

For all of our presentations, we recommend:

- You have administrator privileges on your computer to be able to download required tools and systems
    - *If you are using a computer where you do not have these privileges, you will need to download the tools listed under Systems and Tools are downloaded prior to class.*
- Your laptop has a 13 in screen or larger.
    - *It is our experience that students using a laptop with an 11 inch screen have a harder time navigating the tools and systems during class.*

Minimum hardware requirements for courses (computer should be no older than 4 years):

- 1.6GH dual-core Intel Core i5 Processor
- Intel HD Graphics 6000
- 8GB RAM
- 15+ GB of free disk space

If you are a PC user, we require that you use the most recent version of Windows in order to run the programs for our courses.

Machine Learning Systems and Tools

Below details what you need for the workshop.

System Used	How to Download and Access
Google Chrome	We recommend using Chrome as your browser. To download Chrome, simply follow these instructions.

Tools Used	How to Download and Access
Visual Studio Code *Free*	Download for free and get all set up here.

Jupyter Notebook *Free*	Download Anaconda Navigator for a full suite of Python tools, including Jupyter Notebook. Do this first because it will make sure that you have the latest version of the tools we will use in this course.
Python 3 *Free*	Once you've got Anaconda Navigator download, double check that you have the latest version of Python 3 on your machine.
GitHub's Co-Pilot *30-day free trial*	Prior to the workshop, make sure you have purchased and installed Github's Co-Pilot. You will need an internet connection to access Co-Pilot. (You can get a 30-day free trial).
ChatGPT *$20/month* **OpenAI API** *$5*	Create a ChatGPT account. You will need an internet connection to access the latest, premium version of ChatGPT. Please get the paid version of the open ai API.
Keras *Free*	Get started with deep learning by setting up Keras, a powerful and user-friendly neural network API, by following the instructions at keras.io.