

# Arduino Pre-class Preparations for Mac OSX

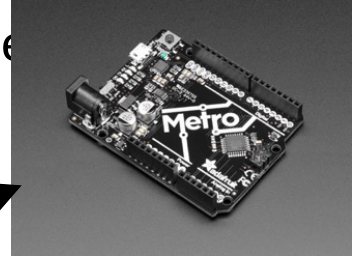
Joe Wilkes, PhD

# Introduction

- This material will guide the student through the downloading and installation of the Arduino Development Environment
- If you need additional help see
  - <https://www.arduino.cc/en/Guide/HomePage>
  - Scroll down to the "Install the Arduino Desktop IDE" section
- Also come to the first class early
- Please see important notes on the next two pages!

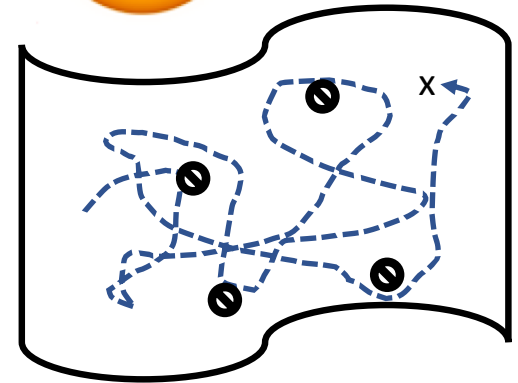
# Big Caveat!

- Not all boards that are sold under the Arduino name are the same
- Many of the Chinese clones use a different USB chip.
- Finding the drivers can be difficult
- It is suggested the you order your Arduino from
  - Adafruit (their version is licensed and called the metro)
    - <https://www.adafruit.com/product/50>
    - See note about downloading driver for board
  - Sparkfun
    - <https://www.sparkfun.com/products/11021>
  - Amazon (look for sold by Arduino and fulfilled by Amazon)
    - [https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6/ref=sr\\_1\\_3?ie=UTF8&qid=1542548200&sr=8-3&keywords=arduino+uno+r3](https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6/ref=sr_1_3?ie=UTF8&qid=1542548200&sr=8-3&keywords=arduino+uno+r3)



# Additional Information

- If you do not have a genuine Arduino
- In other words you bought a Chinese clone by mistake
- All is not lost
- You may have to go into treasure hunt mode
- To find the driver for your board
- Hint: If you find the driver on a website in Mandarin
  - Click on the big button to download the driver
  - Mac users need to google for directions on using an earlier driver
- If you can't find it,  
please come to first class early and  
someone can probably help you
- **The Arduino in the supplied kit will not have this problem**

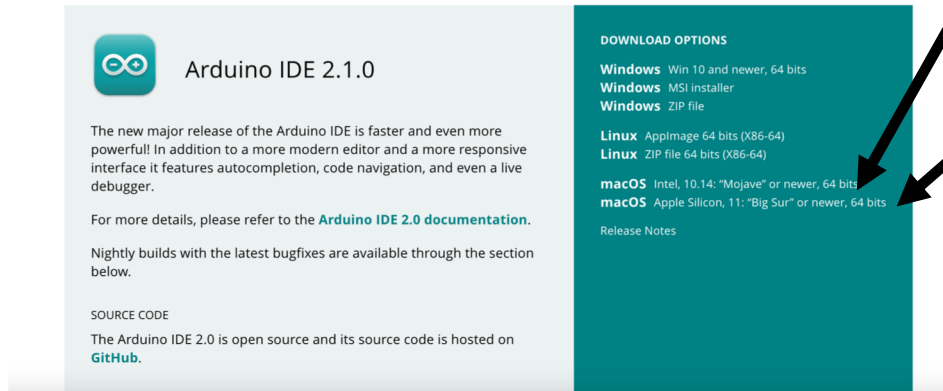



# Mac Installation

# Download the Software - 1

- Go to <https://www.arduino.cc/en/Main/Software>
- Scroll down the page to find "Downloads"
  - Click on the link for "Mac OS X 10.14 Mojave or newer"
  - If you have a newer Apple Silicon Mac: Click on "Big Sur or Newer"
- Follow the directions on the next pages

## Downloads



 **Arduino IDE 2.1.0**

The new major release of the Arduino IDE is faster and even more powerful! In addition to a more modern editor and a more responsive interface it features autocompletion, code navigation, and even a live debugger.

For more details, please refer to the [Arduino IDE 2.0 documentation](#).

Nightly builds with the latest bugfixes are available through the section below.

**SOURCE CODE**  
The Arduino IDE 2.0 is open source and its source code is hosted on [GitHub](#).

**DOWNLOAD OPTIONS**

**Windows** Win 10 and newer, 64 bits  
**Windows** MSI installer  
**Windows** ZIP file

**Linux** AppImage 64 bits (X86-64)  
**Linux** ZIP file 64 bits (X86-64)

**macOS** Intel, 10.14: "Mojave" or newer, 64 bits  
**macOS** Apple Silicon, 11: "Big Sur" or newer, 64 bits

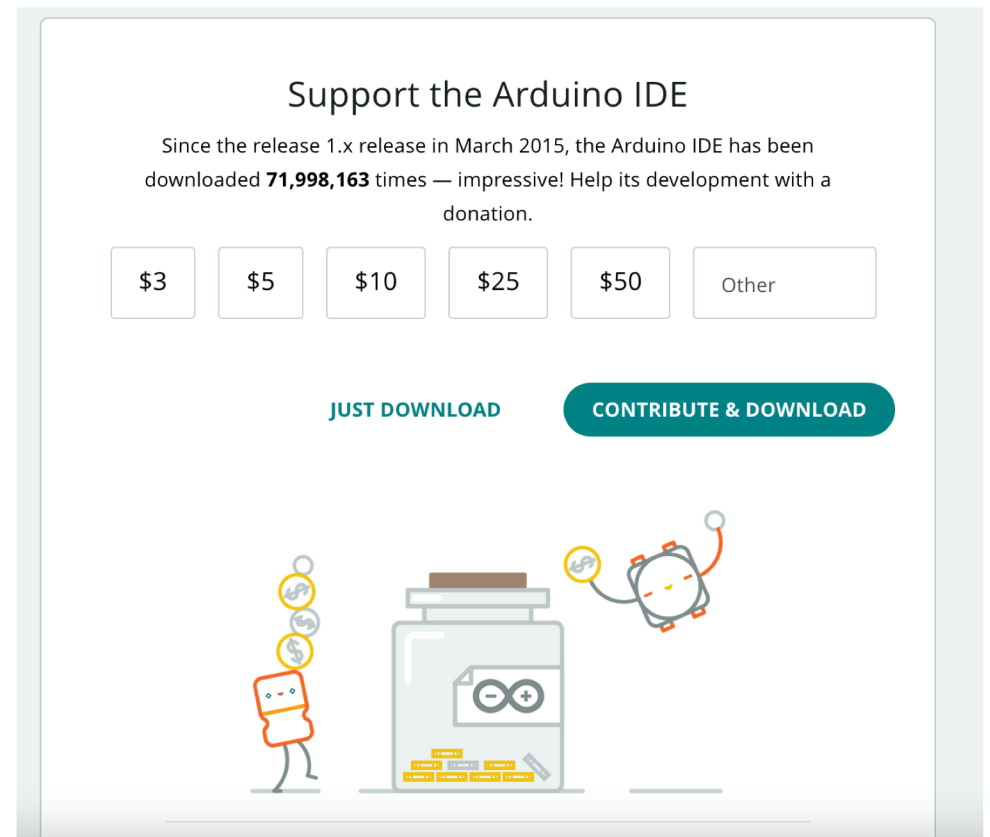
[Release Notes](#)

# Please Note!!!

- If you do not have a genuine Arduino
- You may have to go into treasure hunt mode
- And find the driver for your board
- If you can't find it, please come to first class early and someone can probably help you

# Download the Software - 2

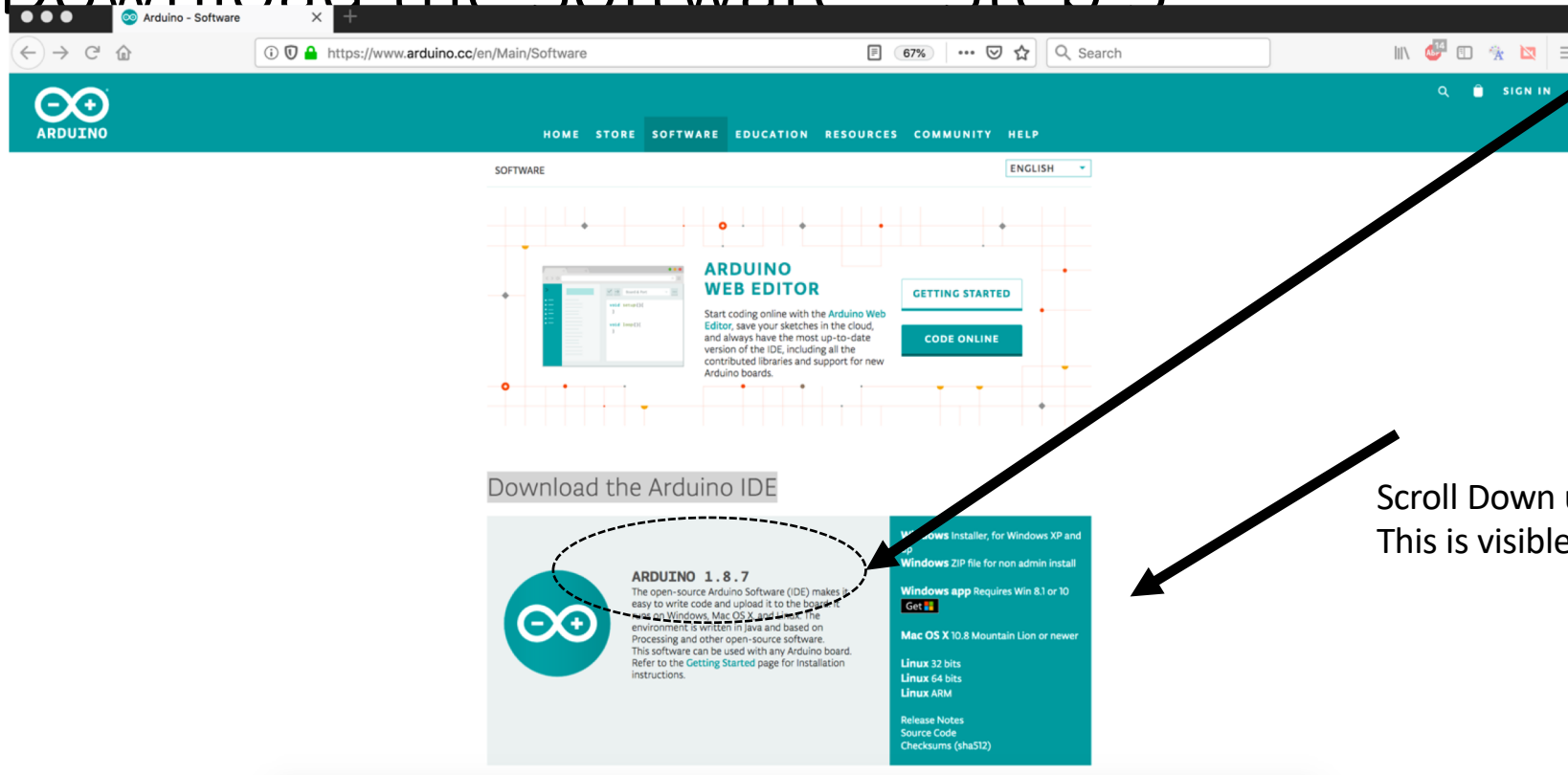
- Click on:
  - just download
  - contribute and download
- The download with then start



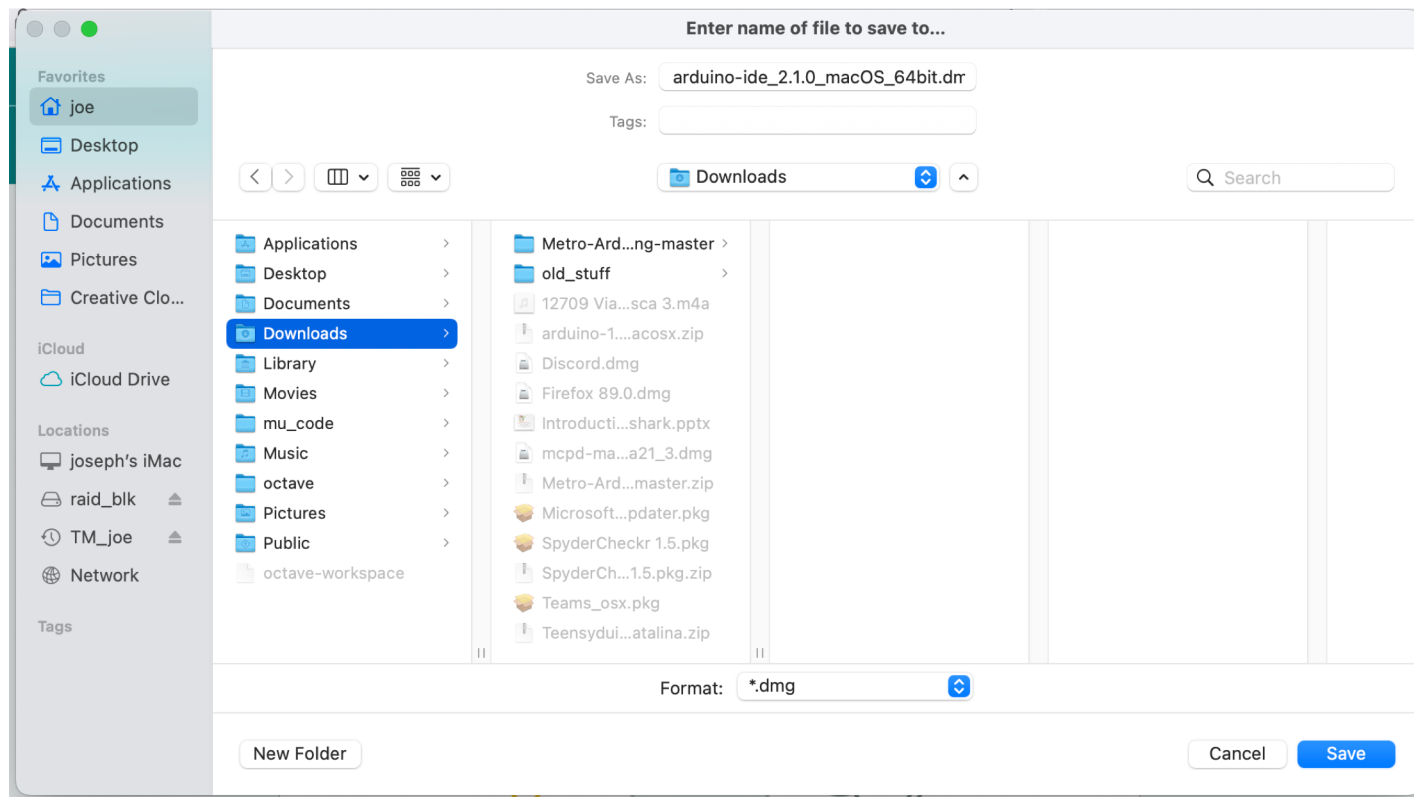


# Download the Software – Step 3

The file name  
Should be  
1.8.11 or higher

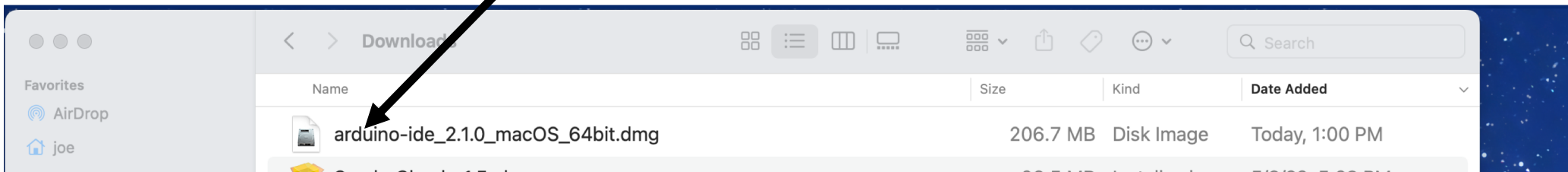


# Download the Software – Step 4



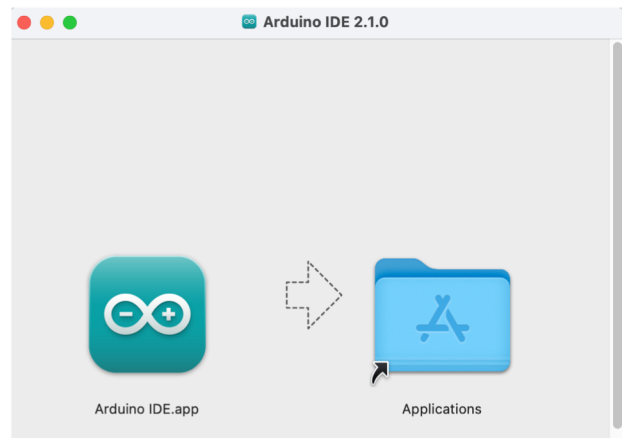
# Install the Software – Step 5

- Go to the downloads directory in your account
- Click on Arduino-ide-2.1.0\_macOS\_64bit.dmg



# Install the Software – Step 6

- This window will pop up
- Drag Arduino IDE.app to the Applications folder



# Find the Software - Step 8

- Click on Launcher and find the Arduino App. Click on it.
- You should find your App directly on the finder window



Discord



TurboTax 2021



Datacolor (Other)



Adobe Bridge 2023



Adobe Creat....573 (Other)



AdobeCleanUpUtility



AdobeGCClient



Arduino IDE

# Arduino Development Environment is Installed

- In class:
- We will show how to connect Arduino to laptop
- We will show how to establish connection to Arduino
- We will show the most simple program