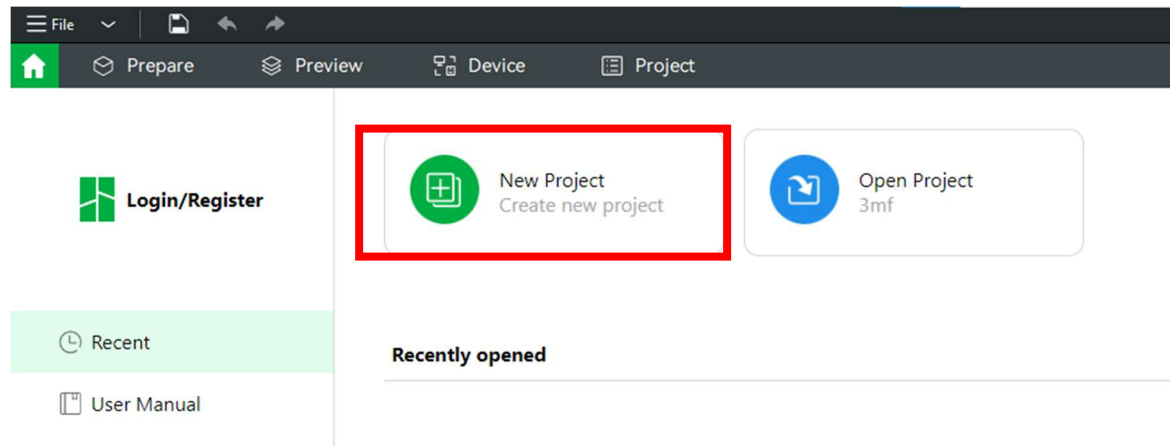
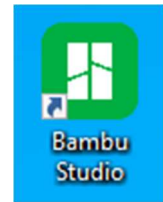
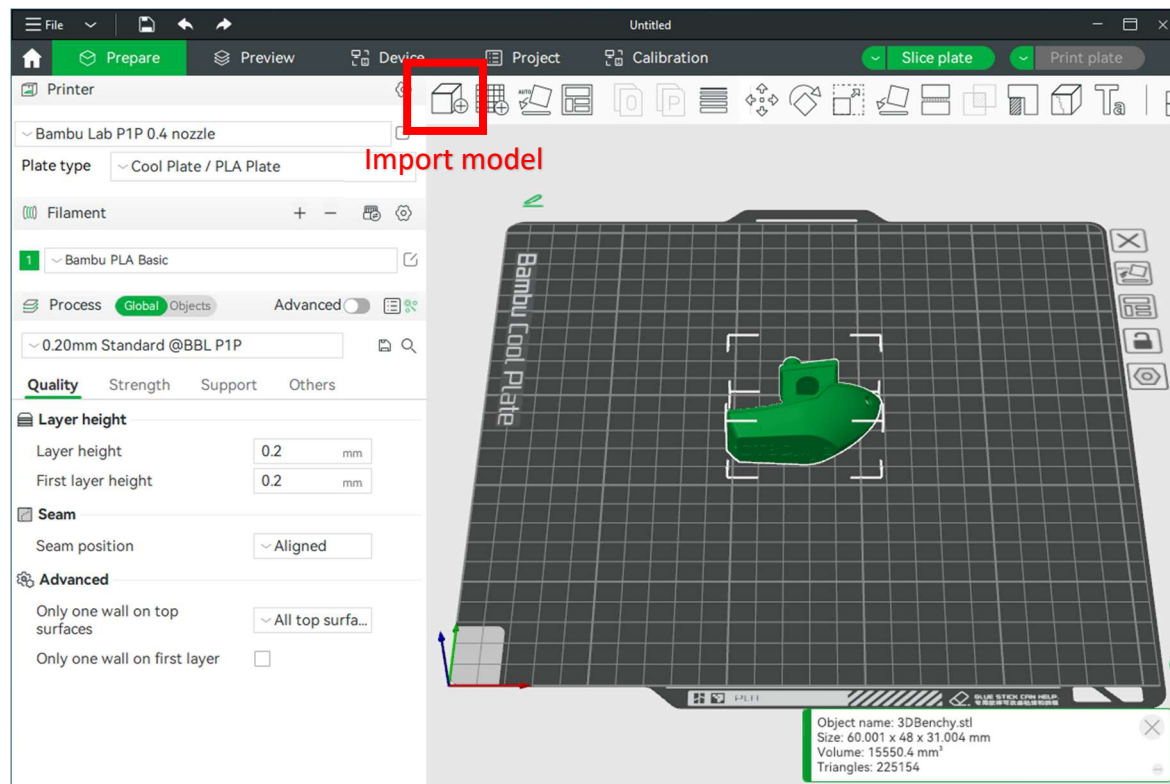


ME 301 – Printing with the Bambu Lab X1 Carbon

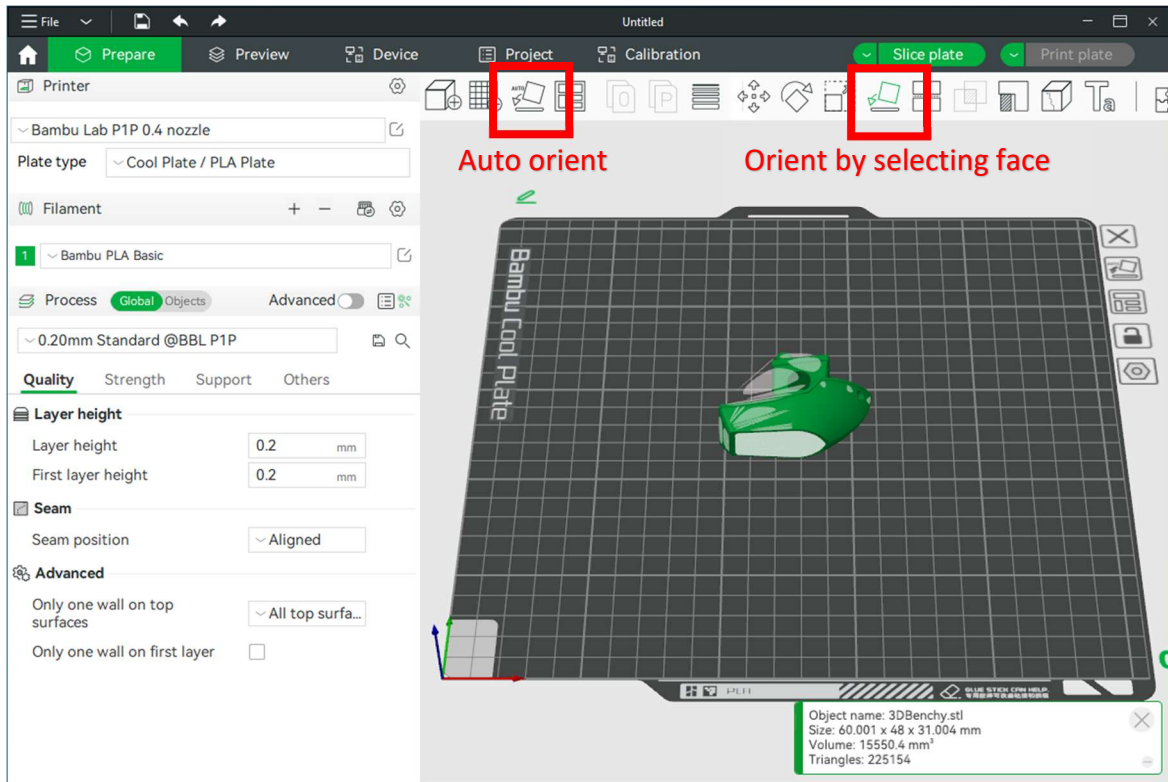
1. Save your SolidWorks file as a **.stl** or **.3mf** (either works fine).
2. Transfer the file to one of the computers in the **PrintWorks lab, GJ 134F** (use email/thumbdrive/OneDrive etc).
3. Open the **Bambu Studio** app on the Printworks computer.
4. The first time you open the app, you will need to go through the setup wizard. **Select “North America” for the setup region**, then click **“next”** on each screen until the wizard exits.
5. Create a **New Project**:



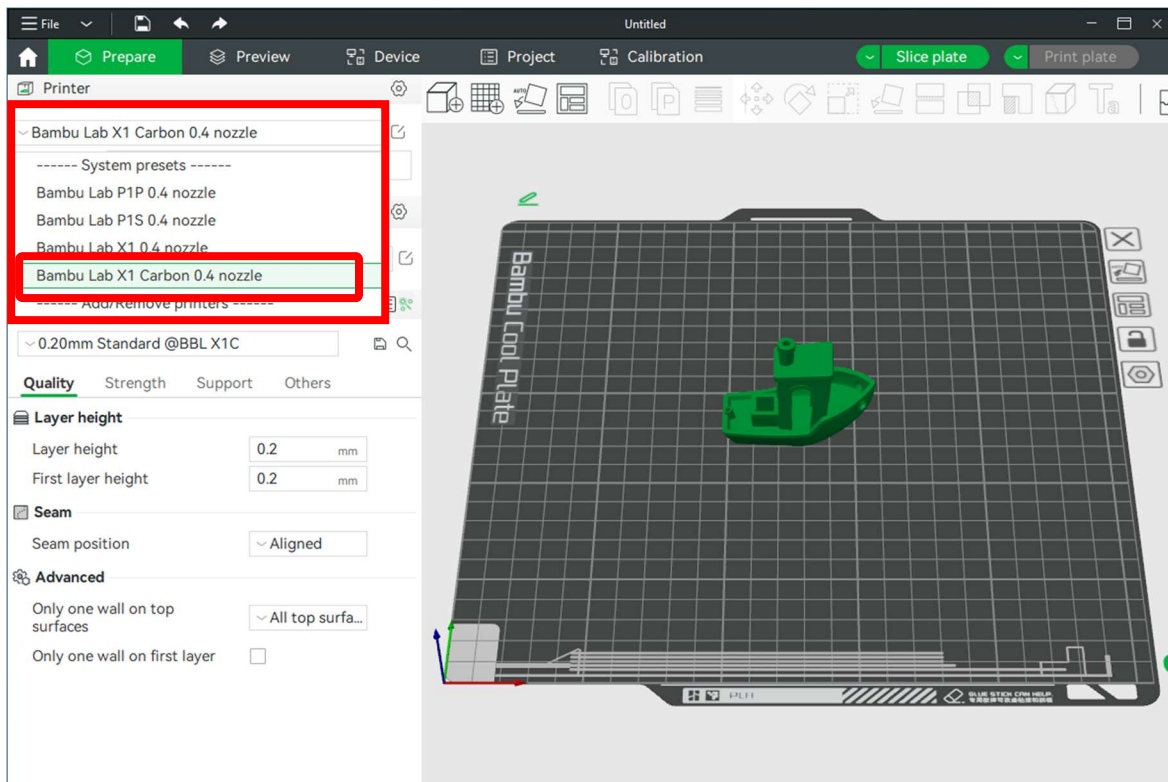
6. **Import your .stl file:**



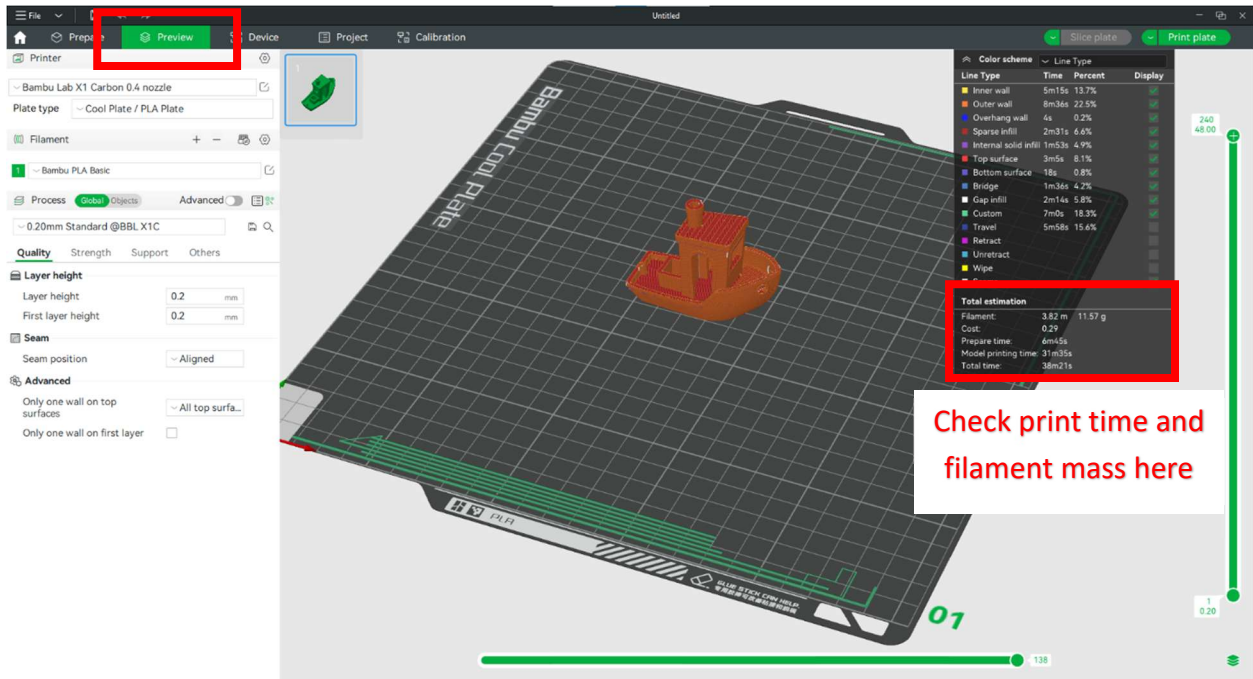
7. Orient the model so it prints on a flat surface:



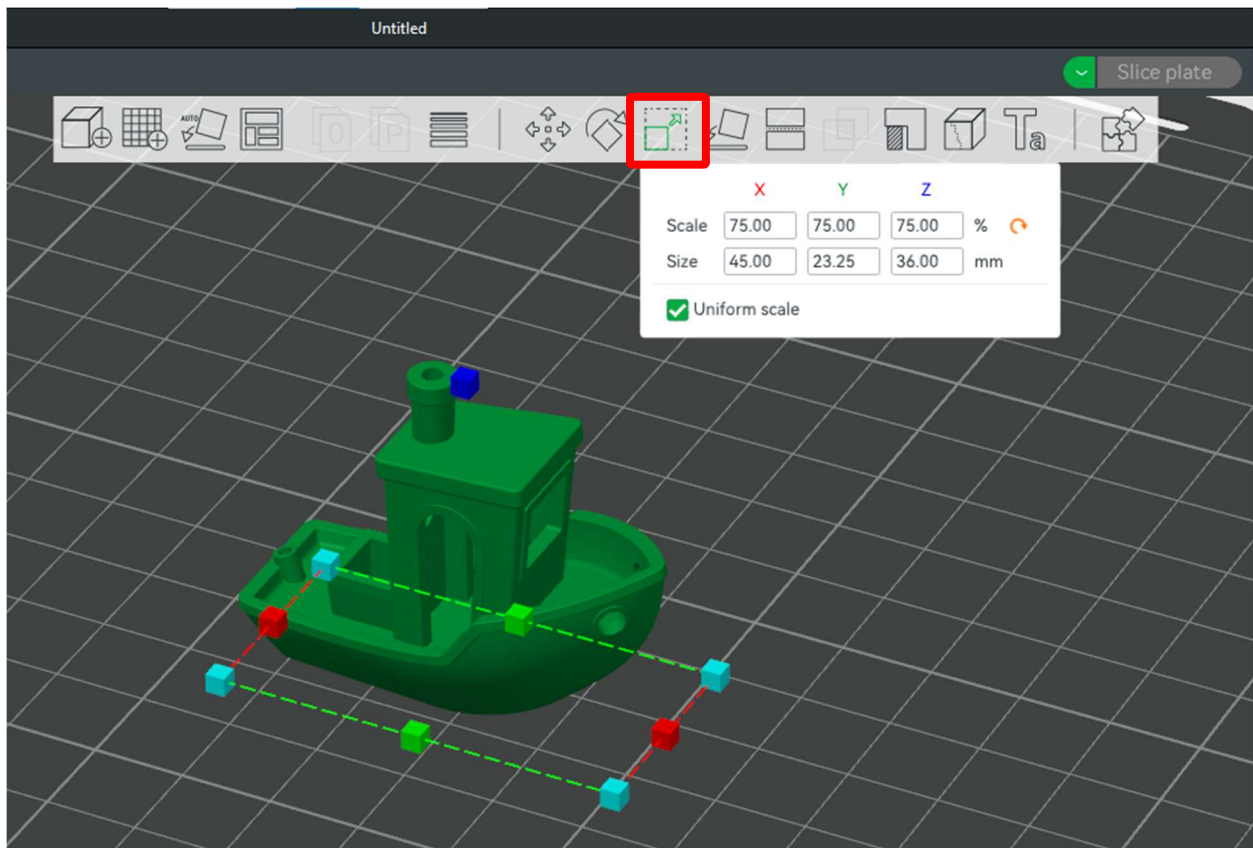
8. Select the correct printer from the dropdown menu (Bambu Lab X1 Carbon 0.4mm nozzle):



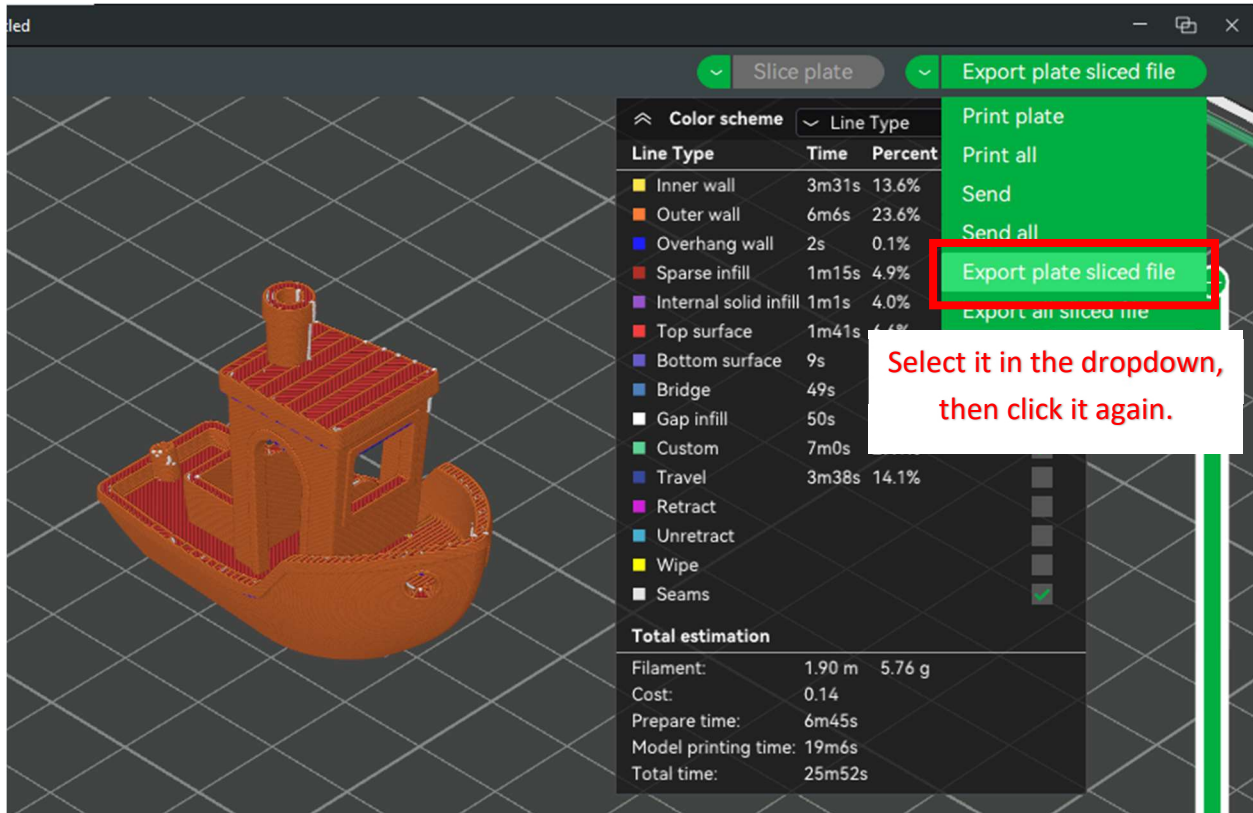
9. Go to the “Preview” tab to preview the sliced model. Check filament mass and print time:



10. If the print time or filament mass are too great, you may scale your model:



11. When the part is ready, select the option to “Export plate sliced file,” and save this to one of the GJ134 Micro SD cards:



12. Eject the Micro SD card, and insert it into the side of the X1 Carbon printer control panel:



13. Select the **folder icon** on the left side of the control panel, and then the **“MicroSD Card”** tab, and then select your sliced model:



14. Select the correct **filament** in the dropdown menu, then press **“Print now.”**



Stay in the PrintWorks lab until you can see that the first layer has printed well, and when your print is done return to retrieve it promptly. If your print was successful, congrats on becoming a 3D-printer-er! If your print failed, congrats on becoming a 3D-printer-er! *Errare est Printarum.* . .