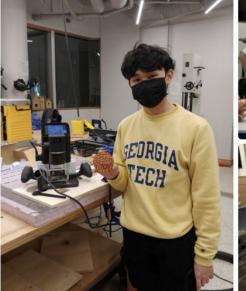
# Rubber Stamp Workshop!



Reyna Samuel Markella Bibidakis Vipisha Pazhanivel





















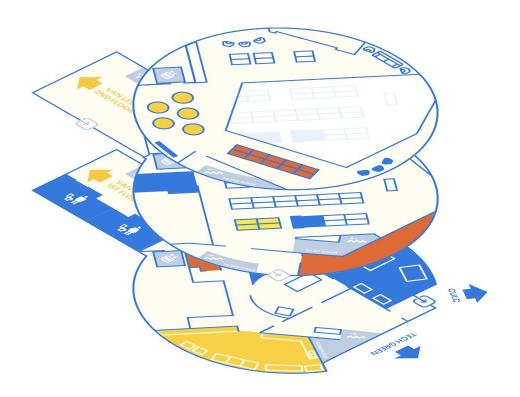
### STUDENT RUN & OPEN TO ALL MAJORS

15,600 square feet of makerspace 130 Peer Instructors/semester



### 1800 unique End Users rely on us each semester to

STUDY
COLLAB
3D PRINT
SOLDER
DESIGN
LASER CUT
TEST
ENGRAVE
BUILD
PROTOTYPE



#### **GET INVOLVED**

Visit us during open hours.
Connect with a PI Consultant.
Join our mailing list.
Come to a workshop.

#### **Become a Peer Instructor**

Applications open at the end of the Fall and Spring semesters.



### **Questions?**

hive.ece.gatech.edu



Email: hive@ece.gatech.edu Instagram: thehivemakerspace Facebook: hivemakerspace

### Tech Area Spotlights







## Laser Cutting

- two laser cutters made by Universal Laser Systems Inc.
- can cut and engrave a variety of materials
  - including wood, acrylic, paper, cardboard, and in some cases, metal
- we have also recently acquired a new laser cutter called the Fablight 4500



### Machine Shop

- Miter saw
- Drill presses
- Scroll saw
- Band saw
- Belt sanders
- Sandblasting booth
- Cordless drills
- Dremels
- Hand saws
- Jigsaw
- Sawzall
- Sandpaper
- etc.



# Time to Design!

### Picking a Design/Image

- Find a high resolution picture
- Certain images/designs will work better
  - Clear text, silhouettes, B&W images

#### Would work well















#### Wouldn't work well









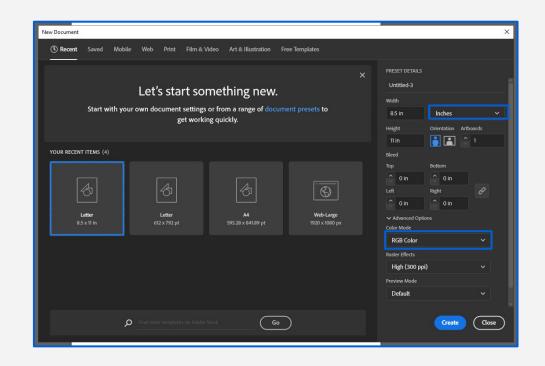




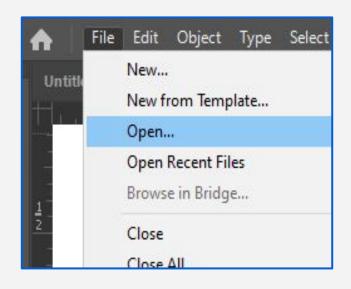


### **Designing a Stamp**

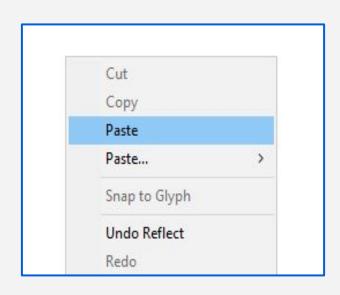
- Create a new file in Illustrator
  - Letter size
  - Units in inches
  - RGB Color



### Import your Image



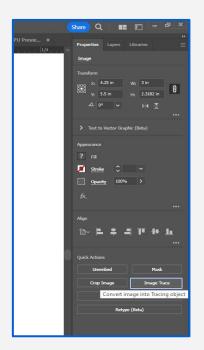
or

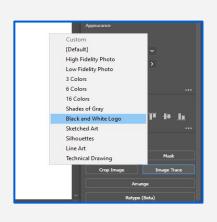


Open file in Illustrator

Copy & Paste in new file

### Image Trace & Expanding





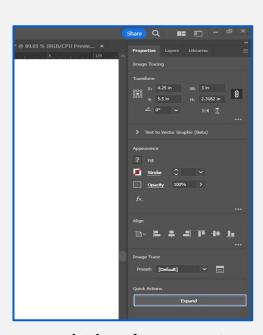
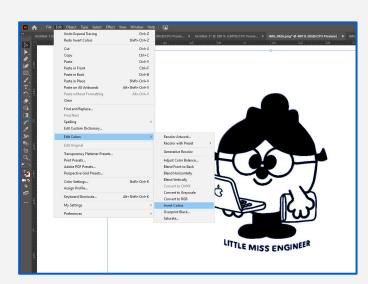


Image trace in B&W [Image Trace -> B&W Logo]

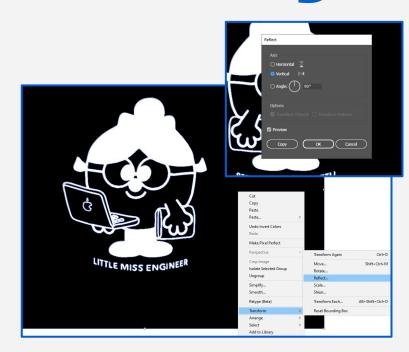
Expand the image trace

### **Invert Colors & Reflecting**



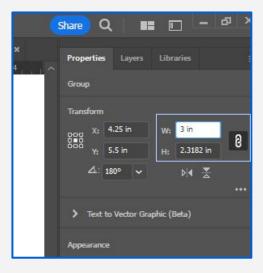


Invert Colors
[Edit->Edit Colors->Invert Colors]



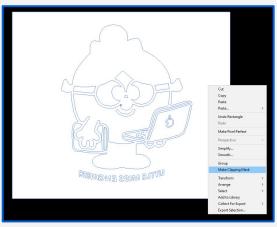
Reflect image
[Transform->Reflect->Vertical 90°]

### Resizing & Cropping



and

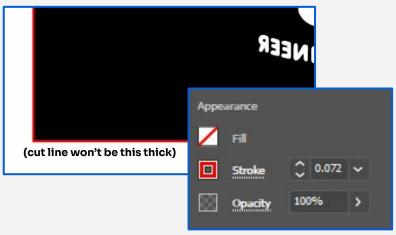




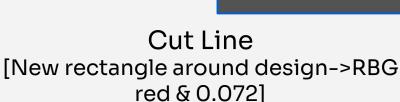
Resizing [change W&H: 2-4ish in.]

**Optional** Cropping [New rectangle->make clipping mask]

### **Cut Lines & Final Check**



and



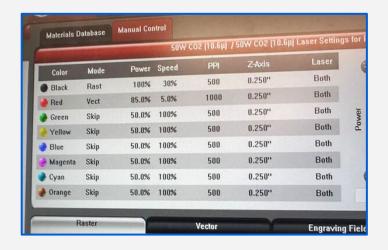


Final Checks [Stamp size, RGB red / black, reflected]

# Ready to Laser Cut!



### **Laser Cutting Settings**





**Rubber Settings** 

**Wood Settings**