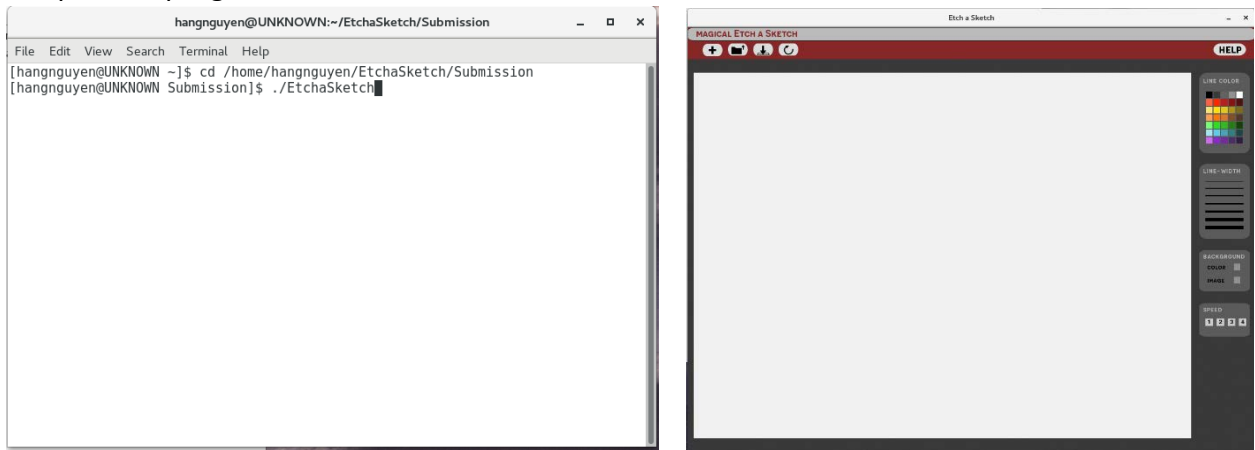


ETCH A SKETCH PROGRAM

USER MANUAL

1. Open terminal, cd to the folder contain EtchaSketch executable file, then type `./EtchaSketch` to open the program



2. Use keyboard for drawing operation: A to move up, D to move down, left and right arrows to move left and right. This then draws lines on the main board from the top left corner.



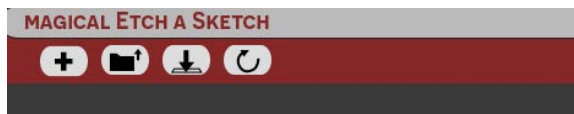
3. Trays

Trays are positioned in the right column of the program, including Line Color, Line-width, Background and Speed



- a. Line color: mouse click on any color swatch to pick the line color for drawing.
- b. Line-width: mouse click on any line-width to pick the point size for drawing.
- c. Speed: choose the speed from 1 to 4 to adjust the drawing speed, with 4 is the fastest. 4 is set to default for the program.
- d. Background:
 - Click on the gray button next to Color to show color swatches, then mouse click to pick any color of choice.
 - Click on the gray button next to Image to load image for background. In the terminal, please provide directory of the image, or file name (with extension) if the image is in the same directory of to executable program. The program will ask if user wish to scale the chosen image to fit the board or not.

4. Tool bar



Tool bar is positioned above the main drawing board, which includes New, Open, Save and Help buttons. Mouse click on the button to use its function.

- a. New: reset every settings back to default: white background, black drawing color, Line-width 3, speed 4, and the point position is set back to the top left of the board.
- b. Open: load the *.esc file for further editing, the program will ask for file name in the terminal, please provide a file with .esc extension stored in the same directory as the EtchaSketch program.
- c. Save: this will drop down Save Image and Save File
 - Save Image: this will save the resulting drawing (available in png and bmp) to the directory containing EtchaSketch program. Please provide file name without extension to the terminal
 - Save File: this will save the current drawing settings to an *.esc file, with 2 other images in the same directory as the EtchaSketch program.
- d. Help: show the Help message in case of confusion when using the program.