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Proposal

For my final project I'd like to make an interactive drawing program which takes in user inputs from a computer and prompts a robot to physically draw it using pen and paper. This would entail building a responsive vehicle with drawing and communication capabilities as well as creating a system to take in and edit image inputs to the Processing interface to draw and upload routes for the robot to follow.

In order to have unencumbered motion I plan to use a Romeo BLE control board to send positional signals to the bot. A limitation to this project is all drawings must be continuous line drawings if the pen is fixed or a mechanism must be built to raise and lower the pen. Further, if the drawing length is unlimited translating the input to the output may be an issue.