

Start to Finish Programming of Stiquito

-go to www.ti.com

-search for MSP430F1122 and go to that website

-click on development tools and then find the link to download IAR Embedded Workbench (kickstart version)

-click on this link and then download the zip file for the tool

-once downloaded, find the file named slac050e.zip

-double click on this file and run the exe in the window named FET_R444.exe

-this should install the IDE

- click setup on the first gui and it will unzip the data necessary for the install

- keep clicking next and accept

- choose full install (it should be the default choice)

- install the program wherever you desire on the hard drive

- now just wait till it's done

- you will need to restart your computer after the install before running the IDE

-at this point you no longer need the downloaded file so you may delete it

-find and start IAR Systems Embedded workbench from the Start menu

-get rid of any gui that might pop up when you start IAR

-click on the project menu and select Create New Project

- choose MSP430 tool chain

- choose Empty Project

- click OK

- choose a name and location for your project

 - it will create two folders in this location along with some supporting files

 - it would be a good idea to have a folder for each project

-once the project is created we need to add the source code

- click on Project and Add Files. . .

- locate your file on the hard drive, select it, and click open

-now you have created your project and added the source code so you are ready to set up your project to program

-on the left of the screen you should see a window called workspace, make sure and highlight/select the topmost option in this window at this time. It should be labeled something like "stiquito - Debug *" where stiquito is my project name

-once you have highlighted that line, click on Project and then Options

-under the General Options Category, under the Target tab, change the device to MSP430F1122

-under the Debugger Category, under the Setup tab, change the Driver to FET Debugger

-under the FET Debugger Category, under the Setup tab, ensure that the connection is set for LPT1 and that Download Control has Erase main and Information memory selected

-click OK

-click on Project, and then Debug

-if the code doesn't download on the first try, disconnect the programmer and then reconnect and try again

-if this doesn't fix it, you may not have power to the board or the connector may not be hooked up in the correct orientation

-once the debugger is open it is finished downloading the code to the microcontroller

-now click on Debug and Stop Debugging

-this will exit from the Debugger

-now you can reset the board (either by connecting J8 momentarily or by disconnecting the power supply and reconnecting it) and you are finished