IDEs

There is a whole list of IDEs on the Arduino website, some of which are also listed below.

<http://playground.arduino.cc/Main/DevelopmentTools>

MariaMole:

Unleash your Arduino MariaMole is an open-source IDE for Arduino - It provides an easy but advanced interface for coding and uploading to the Arduino boards.

<http://dalpix.com/mariamole>

UECIDE:

The Universal Embedded Computing IDE

<http://uecide.org/>

Xduino - Arm compiler and IDE with Arduino like Support (This looks like it is for a STM32 microcontroller not an Arduino)

<http://www.xduino.com/>

Arduino Builder - standalone utility for building and uploading Arduino sketches

GUI interface or CLI interface, interesting project for Windows only

<http://arduinodev.com/arduino-uploader/>

Ardublock - A Graphical programming language for Arduino (scratch like programming)

<http://blog.ardublock.com/>

Minibloq is a graphical programming environment for Multiplo, Arduino and physical computing devices and robots

<http://blog.minibloq.org/>

Visual Micro - arduino ide + visual studio

*Visual Micro* is an Add-In for Microsoft Visual Studio 2008-2013 and for Atmel Studio 6.1-6.2 that allows *any* Arduino project to be developed, compiled, and then uploaded to any Arduino board.

*Visual Micro* is fully compatible with the Arduino development environment and uses the same libraries, source code, and development tools. The difference lies in *Visual Micro*'suser interface which provides an advanced and professional development environment, and allows for more advanced development than the existing Arduino IDE.

<http://www.visualmicro.com/>

S4A - Scratch modification that allows for simple programming of the Arduino platform

<http://s4a.cat/>

Electron - a new IDE for arduino (looks like very early beta stage project)

<http://joshondesign.com/2014/06/17/electron>

CodeBlocks Arduino IDE

<http://arduinodev.com/codeblocks/>

Another List of Alternative IDEs:

<http://www.intorobotics.com/alternatives-standard-arduino-ide-one-choose/>

LabView MakerHub

(Not sure if this is an IDE, or just what it is, but I think it belongs in this list)

<https://www.labviewmakerhub.com/>

<http://www.ni.com/labview/>

Myrobotlab

(I guess you can call this a IDE, not sure, but again, I think it belongs in this list)

<http://myrobotlab.org/>

Bracket

(A modern, open source text editor that understands web design)

<http://brackets.io/>

UnArdSim

(Arduino Uno Simulator, interesting)

<https://www.sites.google.com/site/unoardusim/home>

RobotC - A C Programming Language for Robotics

<http://www.robotc.net/>

BitLash is a open source interpreted language shell (sound interesting to me)

<http://playground.arduino.cc/Code/Bitlash>

PlatformIO: open source - crose platform code builder and the missing library manager

(Support for many different microcontrollers)

<http://platformio.org/#!/>

Code Sharing:

123DCircuits - interesting site where you can design a circuit, program a simulation, run the simulation on a virtual arduino, and share the code (as well as the circuit) It also looks like it will take the breadboard design and convert it to a schematic and PCB (which they can make the PCB for a fee)

<http://123d.circuits.io/>

BIICode - Free App and service intended to make sharing arduino code easier

(Kind of looks like a github type of service with some added features for Arduino)

<http://www.biicode.com/>

Pastie (Just paste some code in the form, copy the url, and share) There doesn’t look like there is a log in or any type of status reports for programs It supports multiple languages but not Arduino C code persay

<http://pastie.org/>

Github - Is a paste bin - and a little hard to setup, but once it’s setup it’s pretty easy to use

<https://github.com/>

TinyPaste - TinyPaste is a barebones pastebin, just enter your code and go. It looks like they pay you to paste.

<http://tny.cz/>

PasteBin - #1 paste tool since 2002! (or so they say) - Looks like it supports logins, and many different languages, but I didn’t see anything that said Arduino specially

<http://pastebin.com/>

Smipple - a social service for saving, storing, organizing, and sharing snippets of code with your friends and coworkers.

<http://www.smipple.net/>

Ardlang - Ardlang is a DSL for the Arduino development boards.

<http://nielsegberts.github.io/Ardlang/>

<https://github.com/nielsegberts/Ardlang>

Based on Spoofax and Eclipse IDE interesting.

Spoofax Language Workbench - <http://metaborg.org/spoofax/>

Concurrency.cc - Parallel programming on a REAL Arduino UNO (not sure why, FTDI chips are important for this)

<http://concurrency.cc/>

Tutorials:

How to use the Arduinio IDE to code for you ESP8266

<https://www.youtube.com/watch?v=7Sxapcj3FEU>

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Bitbloq.org A new, easy and intuitive way of programming. With bitbloq, you will program using visual blocks, without needing to know code. <http://bitbloq.org/#/>