

Searduino - - C/C++, simulator, stubs

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Table of Contents

1	Background	1
2	Abbreviations	2
3	Layers	3
3.1	Faked Arduino layer - the Arduino stub	3
3.2	Communication layer -	3

1 Background

2 Abbreviations

- Arduino program - a program that is written for the Arduino board. Uses only the Arduino and avr APIs.
- Arduino stub - library implementing the Arduino and avr APIs
- Streamed input/output - instead of a fullblown simulator GUI Searduino provides you with a stdin/stdout interface. This can be used to script (bash, Python..) your test cases. Using programs such as netcat you can also run the Arduino program on one PC and the test on another PC.

3 Layers

3.1 Faked Arduino layer - the Arduino stub

3.2 Communication layer -