

The C Programming Language, 2d ed. (1988)

Authors: B. W. Kernighan and D. M. Ritchie

ISBN: 0-13110-362-8

Brian W. Kernighan and Dennis M. Ritchie's classic text explaining the C programming language has not lost any of its usefulness since its introduction. This book probably has been used by more students in more colleges and universities than any other has. Despite the fact that the book was written originally for a programming course, the writing is crisp, sharp, and easily understandable. This is a book that I've probably owned five copies of, with a couple being worn out and a couple growing legs and walking out of my office.

Recommended PIC Microcontroller Websites

When I have a problem, here is a list of the sites that I turn to in an attempt to find the answers in what other people have already done. Most of these sites are dedicated to the PIC16F84 (and the PIC16C84), but there is a lot of useful information, code, and circuits that you can get from these sites. This list is still current, although it is changing all the time.

As I write this, there is somewhere in the neighborhood of 1,000 web pages devoted to the PIC microcontroller with different applications, code snippets, code development tools, programmers, and other miscellaneous information on the PIC microcontroller and other microcontrollers. To try to simplify your searching, I have included websites that either have unique information and applications or have substantial links to other sites.

My own website has links and information on not only the PIC microcontroller but other devices and subjects as well:

www.myke.com

Bob Blick's website has some interesting PIC microcontroller projects that are quite a bit different from the run-of-the-mill projects:

www.bobblick.com/

Scott Dattalo's highly optimized PIC microcontroller does math algorithms. This is best place to go if you are looking for mathematical functions for the PIC microcontroller:

www.dattalo.com/technical/software/software.html

Along with the very fast PIC microcontroller routines, Scott also has been working on some GNU general purpose license tools designed to run under Linux. More information on these tools can be found in Appendix M. The tools can be downloaded from

www.dattalo.com/gnupic/gpsim.html

www.dattalo.com/gnupic/gpasm.html

Marco Di Leo's PIC Corner has some interesting applications, including information on networking PIC microcontrollers and using them for cryptography:

<http://members.tripod.com/~mdileo/>

On the Dontronics home page, Don McKenzie presents a wealth of information on the PIC microcontroller, as well as other electronic products. There are lots of useful links to other sites, and it is the home of the SimmStick:

www.dontronics.com/

On the Fast Forward Engineering home page, Andrew Warren presents useful information and a highly useful question and answer page on the PIC microcontroller:

<http://home.netcom.com/~fastfwd/>

Steve Lawther's list of PIC microcontroller projects has very many interesting PIC microcontroller (and other microcontroller) projects:

http://ourworld.compuserve.com/homepages/steve_lawther/ucindex.htm

Eric Smith's PIC Page has some interesting projects and code examples to work through:

www.brouhaha.com/~eric/pic/

Rickard's PIC-Wall is a good site with a design for a PIC microcontroller-based composite video game generator:

www.efd.lth.se/~e96rg/pic.html

PicPoint has lots of good projects to choose from, including 5 MB free to anyone that wants to start his or her own PIC microcontroller webpage:

www.picpoint.com/

MicroTronics presents programmer and application reviews:

www.eedevl.com/index.html

Periodicals

Here are a number of magazines that do give a lot of information and projects on PIC microcontrollers. Every month, each magazine has a better than 50% chance of presenting a PIC microcontroller application.