

Computer Science & Coding

Table of Contents

Languages	2
HTML.....	2
CSS.....	2
C++	2
Java.....	3
JavaScript	3
PHP (Hypertext Processor).....	4
Python.....	4
Ruby	5
SQL (Structured Query Language).....	5
XML	5
General Programming Sites	6

Languages

HTML

HTML is a core technology markup language of the Internet used for structuring and presenting content for the World Wide Web. HTML5, the newest version, features new elements, attributes and behaviors.

[Building Web Pages With HTML 5](#)

[Dive into HTML5 by Mark Pilgrim](#)

[HTML Basics](#)

[HTML Code Tutorial](#)

[HTML5 Rocks](#)

A comprehensive HTML5 resource for developers by Google

[Learn HTML 5](#)

[Web Developer Guide by Mozilla](#)

CSS

CSS (Cascading Style Sheets) control style and present HTML. Whereas the HTML is the meaning or content, the style sheet is the presentation of that document.

[CSS Cross Country](#) from Code School

Learn the fundamentals & foundational elements of CSS with CSS Cross-Country. Review all the web-styling necessities for front-end efficiency.

[Getting started with CSS](#) by Mozilla

[CSS Beginner Tutorial](#)

[CSS Tutorial](#)

[CSS: An Overview](#) from Codecademy

[Get Started With CSS 3](#)

[Intro to HTML and CSS](#) from Udacity

Not Your Typical Intro to Web Dev

C++

A general purpose programming language, The C++ language is perhaps best known for powering many of today's computer games and Windows software.

[C++ Introduction](#) From W3schools

[C++ Training](#)

[C++ Tutorials](#)

[The C++ Tutorial](#)

[Introduction to C++](#)
MIT Open Courseware

[Programming Tutorials - C, C++, OpenGL, STL](#)

Java

Java is one of the most in-demand programming languages for enterprise software, web-based content, games and mobile apps, as well as the Android operating system. Java is designed to work across multiple software platforms, meaning a program written on Mac OS X, for example, could also run on Windows. As of 2014, Java has a reported 9 million developers

[Intro to Java Programming](#) from Udacity
Building Programs with Classes & Objects

[Java Training](#) from Code Conquest

[Learn Java Online](#)

[Learn Java](#) at Udemy

JavaScript

JavaScript is the programming language of the Web. All modern HTML pages are using JavaScript. Originally designed for adding small amounts of interactivity to a page (like hovers and animations - you know the kind of thing), JavaScript is now used for almost anything up to large applications and games, and can even be found in servers.

[JavaScript Beginner Tutorial](#) from HTML dog

[JavaScript](#) from Codecademy

[JavaScript Tutorial](#) from W3 Schools

[Java script tutorial for the total non-programmer](#) by WebTeacher

[Mozilla JavaScript Guide](#)

[JavaScript Training](#) from Code Conquest

[JavaScript Basics](#) from Udacity
The Programming Language of the Web

PHP (Hypertext Processor)

PHP is a server-side scripting language designed for web development. PHP code can be simply mixed with HTML code, or it can be used in combination with various templating engines and web frameworks. As of January 2013, PHP was installed on more than 240 million websites (39% of those sampled) and 2.1 million web servers.

[Learn PHP](#) from Codecademy

[PHP Tutorial for Beginners](#)

[Getting Started with PHP](#)

[PHP 101](#): PHP For the Absolute Beginner

[PHP Reference Manual](#)

[PHP 5 Tutorial](#) From W3 Schools

[PHP Training](#) From Code Conquest

Python

Python is a programming language designed for programmers to express concepts in fewer lines of code than would be possible in languages such as C.

[An Introduction to Interactive Programming in Python](#) from Coursera, via Rice University
This course is designed to help students with very little or no computing background learn the basics of building simple interactive applications

[A Gentle Introduction to Programming Using Python](#)
MIT OpenCourseware

[Python Course](#) from Codecademy

[Dive into Python](#)

[Get Started With Python](#) from WebMonkey

[Learn Python](#)

[Learn Python the Hard Way](#)
The online version is completely free

[Online Python Tutor](#) - Learn programming by visualizing code execution

[Programming Foundations with Python](#) from Udacity
Learn Object-Oriented Programming

[Python](#) for Beginners

[Python Training](#) from Code Conquest

[Python @ Coursera](#)

Ruby

A dynamic, open source programming language with a focus on simplicity and productivity

[Official Ruby documentation](#)

[Ruby \(programming language\)](#)

[Ruby](#) from Codecademy

[Ruby Training](#) from Code Conquest

[Ruby User Guide](#) — by Yukihiro Matsumoto, the creator of Ruby

[Ruby Koans](#)

SQL (Structured Query Language)

SQL is a database computer language designed for the retrieval and management of data in relational databases

[Introduction to SQL](#) from W3 Schools

[SQL Tutorial](#)

[SQL Overview](#) from After Hours Programming

[SQLCourse.com](#)

The basics of each SQL command will be covered in this introductory tutorial

[Interactive SQL Tutorial](#)

[SQL Tutorial](#) - Learn SQL

XML

[XML Tutorial](#) - W3Schools

[XML Tutorials](#) from TutorialsPoint

[XML Basics](#)

General Programming Sites

[Programmr Interactive Courses](#)

online lab for programming enthusiasts to assess, improve and showcase their programming skills.

[Dash](#)

Dash teaches HTML, CSS, and Javascript through projects you can do in your browser