Pre-steps:

* Download and install git <https://git-scm.com/downloads>
* Create a GitHub account <https://github.com/>
* Download a text/HTML editor
  + Mac - <http://www.sublimetext.com/2> or <http://www.sublimetext.com/> or <https://macromates.com/>
  + Windows - <http://www.htmlkit.com/> or <http://www.sublimetext.com/2>

Steps to learn to code:

1. Do some research see links below
   1. Read post from “[Joel on Software](http://www.joelonsoftware.com/)” start with his top 10
   2. Understand software development terms: See list below
   3. If you have an IPAD download Cargo-bot it will teach you the fundamentals of programming without even knowing it-<https://itunes.apple.com/us/app/cargo-bot/id519690804?mt=8>
2. Learn client side technologies HTML5, CSS3, JavaScript these are need for just about every website
   1. <http://www.html5andcss3.org/html5newelements.php>
   2. <http://www.html5tutorial.info/html5-header-stuff.php>
3. Learn SQL
   1. <http://www.w3schools.com/sql/sql_intro.asp>
4. Learn Git and Use Github sign up for a GitHub account if you don’t have one already
   1. <https://try.github.io/levels/1/challenges/1>
   2. <http://rogerdudler.github.io/git-guide/>
   3. <http://gitref.org/basic/>
5. Learn server side technologies what do you want to code in Java, Ruby, JavaScript?
   1. For Java Download your JDK java development kit, Eclipse, and Apache Tomcat
   2. For Ruby checkout Ruby.org
   3. For JavaScript use MEAN.io
   4. For Python https://www.python.org/
6. Setup and Configure your development environment
7. Follow tutorial steps to build a simple Hello World web application
   1. You can create, update, modify simple website for free using [Github pages](https://pages.github.com/)
   2. Use a bootstrap template -
      1. <http://bootstrapzero.com/>
      2. <http://startbootstrap.com/template-categories/all/>
      3. <http://bootswatch.com/>
8. Build a website
   1. Host if for free using GH Pages - <https://pages.github.com/>

* <http://www.kevincoxe.com>
* <http://alexbugosh.com>

1. Learn to use firebug and other developer debuging tools
2. Questions: Use and contribute to [StackOverflow](http://stackoverflow.com/)
3. Refine your toolset learn more about common languages
   1. HTML, HTML5, JavaScript, Ruby, Ruby on Rails, Python, PHP, & SQL, JQuery, AJAX, JSON
4. Take free college courses online
   1. [Coursera](https://www.coursera.org/), [Udacity](https://www.udacity.com/) and [edX](https://www.edx.org/)
5. Teach Others
   1. [http://code.org/](http://studio.code.org/)

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Tutorials to check out:

<http://www.skilledup.com/learn-ruby-on-rails-guide/>

W3 schools has great tutorials on how to code<http://www.w3schools.com/>

These guys are great<http://www.codeschool.com/>

Other good coding sites:

<http://code.org>

https://code.org/educate/k5

<http://www.makeuseof.com/tag/10-tools-to-get-kids-excited-about-programming/>

<http://teachmetocode.com/>

<http://ruby.railstutorial.org/>

Blogs:

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

<http://viniciusvacanti.com/2011/08/03/why-i-quit-my-job-to-start-a-tech-company/>

<http://viniciusvacanti.com/2010/11/01/6-things-you-need-to-learn-to-build-your-own-prototype/>

Articles:

<http://discursive.com/2013/10/15/the-7-rules-of-software-development/>