

**Rails 3.0** with Ruby  
HackerDojo Hands-on Programming  
Instructor: Scott Haines

## Getting Started

What you will need.

<http://rubyonrails.org/download>

1. Ruby 1.8.7 or higher.
2. Rails 3.0
3. RubyGems
4. MySQL, or your preference of Database installed locally
5. Working Laptop (preferably Linux or Mac OS)

## Tools to help you get through it

This is just a short list of my favorite time saving programs. I come from a Mac background, so I am sorry about showcasing 90% mac only software here.

1. SequelPro (mac) <http://www.sequelpro.com/>
2. TextMate (mac) <http://macromates.com/>
3. NetBeans <http://netbeans.org/>
4. (SVN Client) Versions <http://versionsapp.com/>
5. (SFTP,etc) Transmit <http://www.panic.com/transmit/>

## Things you should know to get the most out of this class.

Prerequisites.

1. A programming language (PHP, C, ASP.NET, Java, Python)
2. OOP (Object-Oriented) Programming Concepts.
  - a. What is a Class
  - b. What is a Method
  - c. What is Inheritance
  - d. What is a super Class
3. Working knowledge of the command line

\* You should also be self-motivated and driven to learn

## Course Material

All class material will be available online for you to download before the start of every class. This will include code samples, pdfs, reading material, etc.

## Class Projects and Assignments

Class Projects are for you to help ingrain the knowledge you will learn each week, Assignments are optional as this class is not being graded, but to get the most out of this class you should do all work that is assigned to the best of your abilities so that you can come bearing questions if you need help, or solutions if others around you need help.

## **Class Style**

This class will involve a one-hour lecture followed by two hours of actual programming. In the lecture we will go over the concepts and view real source code, and then afterwards, we will do an in class project that will help drive those concepts home.

## **Notes**

If you need help with any assignments feel free to email me at [scott@newfrontcreative.com](mailto:scott@newfrontcreative.com), I will answer all questions as quick as I can, but if I don't get around to answering the question or I don't have an immediate solution I will do my best to point you in the right direction.

## **Old School Hacker Ethics**

Hackers are not mysterious, stealthy slobs who are trying to steal your credit card information or sabotage your new web startup. Those are Crackers. We are trying to bring back the old school (circa 1960s MIT) hacker culture of devote learning and sharing of neat tricks and computer hacks, basically we want to promote a healthy environment where people can feel safe to ask questions, share knowledge and learn about bleeding edge technologies and innovations from each other.

## **About the Instructor**

Scott Haines has always enjoyed programming, design and solving logic problems. Scott is native to Boston, Massachusetts where he earned a dual major in Computer Science and Multimedia. During college, Haines built up a design and development consultancy called Newfront Creative.

After college, Haines moved his company to the Bay Area to go after larger clients and more challenging contracts. Haines has now worked for the Disney Company, IBM, Hitachi Data Systems, AIA, and handfuls of smaller startups in and out of various industries.

Scott is now leading technological innovations (Director of Technology and Innovations) both on the desktop, on the web and on the run (mobile) at an east bay startup company called Convo Communications.

Haines has taking in 1000s of hours programming in various languages from PHP to Java, to JavaScript and XHTML, to Adobe Flash ActionScript, to Python and most recently Ruby (and Rails).

Find out more about the Instructor.

<http://newfrontcreative.com>

<http://twitter.com/newfront>

<http://www.linkedin.com/in/scotthaines>