

# PCS Primer

December 7 - January 4

*NOTE: No classes the weekends before or after Christmas.*

Total of 15-18 hours of class time + online content over the 4 weeks.

**Hit the road running with our PCS Primer course. Learn how to use several important tools used by professional developers, and get a grasp on the underlying concepts of the Internet. *This class assumes students have little or no experience with web technologies such as writing code for the web.***

*Learning Objectives - By the end of class you will be able to:*

- *Collaboratively create a static website using Github and Heroku*
- *Explain http requests and the client-server model*
- *Use the command line*
- *Create files in a text editor (Sublime Text 2) and display them in a browser*
- *Inspect a website's code using the Chrome Developer Tools*
- *Add at least one project and one code sample to your portfolio*

**Cost: \$350 (\$250 if you sign up at a PCS event<sup>†</sup>)**

## **COURSE OUTLINE:**

### **Saturday, December 7 (in the classroom - 9am - 4pm, lunch provided)**

- PRESENTATION - Foundational Concepts for Web Developers
- Set up accounts for Treehouse, Codeschool, IRC, and Google+
- Download and configure Sublime Text 2
- PRESENTATION - Introduction to HTML5 and CSS3
- Activities in HTML and CSS via JSFiddle
- PRESENTATION - Chrome Developer Tools
- WORKSHOP - Build a web page

*Homework: Eat, Breathe, Sleep*

### **Sunday, December 8 (in the classroom - Noon - 4pm)**

- PRESENTATION - Sublime Text 2 shortcuts
- Activities in HTML and CSS
- PRESENTATION - Github and the Command Line
- Set up accounts for Github and Heroku
- PRESENTATION - Pair Programming and Group Project-ing
- WORKSHOP - Build a team, make a plan

*Homework: Build a static website with your team*

**Tuesday, December 10 (Meetup at New Relic - 6pm)**

- Practice using Github and Heroku
- Get more familiar with Sublime Text 2 shortcuts
- Meet with your team to develop your project further
- CHALLENGE: Use media queries, @font-face, or css transitions on your site

*Homework: Projects + join us for Friday Happy Hour at Hopworks on Powell!*

**Tuesday, December 17 (Meetup at New Relic - 6pm)**

- CHALLENGE: Bootstrap your website
- Each team member adds a new feature on the website

*Homework: Projects + online tutorials for Programming Basics, et al*

**Saturday, January 4 (in the classroom - 9am - Noon)**

- PRESENTATION - How does the internet work?
- PRESENTATION - Introduction to the Basics of Programming
- Install NodeJS and do some basic things in the REPL
- WORKSHOP - Write a basic server script to load up your website, and use Beefy for live reloading
- Groups present their projects
- Feedback

*Homework: Online tutorials for Programming Basics, et al*

**How to apply:**

Show up to any PCS event<sup>†</sup> or send an email to [ckelly@portlandcodeschool.com](mailto:ckelly@portlandcodeschool.com).

<sup>†</sup> [www.portlandcodeschool.com/calendar.html](http://www.portlandcodeschool.com/calendar.html)