

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[†])

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 (*time and place TBA - determined by group*)

- 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!*

Friday, December 13 (Happy hour at Hopworks on Powell - 5pm - optional)

- First round is on us!
- No structured content, but help provided as needed

Tuesday, December 17 (*time and place TBA - determined by group*)

- 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[†] or send an email to ckelly@portlandcodeschool.com.

[†] www.portlandcodeschool.com/calendar.html