

# Portland Code School

## Fall 2013 Session

### Full Stack JavaScript

Hours: 6pm-9pm, Tue/Thurs + 1 Saturday per month, 9am-4pm

If you are **relatively new to coding**, and you want to do it as a profession, this is the course for you! This course is designed to take students (even students with very limited experience) to being able to **build interactive website features and widgets** from scratch, as well as debugging existing sites. Students will learn both front-end and back-end applications of **JavaScript** (including jQuery). The demand for JavaScript is so high right now, it's hard to describe.

*NOTE: Students with **NO CODING EXPERIENCE** should consider our Primer course before diving in to Full Stack JavaScript (see the Classes page for details).*

Students will be provided Treehouse accounts, and will be given access to the classroom from 9am-5pm M-F, as well as some Saturdays, leaving lots of time for independent and group learning. Students will primarily be working and **learning in groups** of 2-4 people. Also, PCS hosts a happy hour every other Friday at local restaurants to give students a chance to meet outside of class in a social environment.

The Saturdays that are scheduled learning times (1 Saturday each month) will primarily consist of **portfolio development, team building, and other technical areas** (such as Github and Chrome's Developer Tools) to round out the students' curriculum, and broaden their exposure to web development tools.

Class time will total about **85 hours of class** time over 3 months.

Integrating oneself into the **Portland tech community** is possibly the single best decision a new student can make. Forging connections and friendships by attending tech meetups and events is the best way to do this. We cannot force you to do this, but we will try (in a loving way :)

Another powerful way for developers to put their best foot forward -- and be extra attractive to employers -- is to contribute to open source projects. We will cover best practices and different ways to make this happen in the latter part of the course.

*(See next page for outline of technical skills and topics covered during the session)*

General Outline (may change slightly each session):

Week 1: JavaScript Basics -- Basic Syntax, Variables + Operators  
Week 2: JavaScript Basics -- Loops and Conditionals  
Week 3: JavaScript Basics -- Functions and Objects  
Week 4: JavaScript Basics -- Inheritance and Scope, and Linting  
Week 5: JavaScript -- Writing Tests and TDD  
Week 6: JavaScript -- jQuery, Events, and the DOM  
Week 7: JavaScript -- Modular Code  
Week 8: JavaScript -- AJAX  
Week 9: JavaScript -- Open Lab (*Thanksgiving Break*)  
Week 10: JavaScript -- Open Source  
Week 11: JavaScript -- BackboneJS  
Week 12: Final Week -- Finish and Present Projects, Final Exam

***NOTE: Saturday lectures and topics are not listed here, as they will be planned based on the students' needs***

Technical Areas Covered:

HTML5  
CSS3  
JavaScript  
jQuery  
Github  
Browser Compatibility  
JSON  
AJAX  
APIs  
Debugging  
Writing Tests  
Web Standards

Other Topics Covered:

Website Specification Documents  
Portfolio and Resumé Development  
Getting hired in the Tech Industry  
Open Source Projects  
Group Projects  
Team Building