Portland Code School
Fall 2013 Session
Ruby on Rails

Hours: 6pm-9pm, Mon/Wed + 9am-4pm 1 Saturday per month

General Outline (may change slightly each session):
Week 1: Ruby -- Syntax, MVC architecture, Variables and Operators; IRB
Week 2: Ruby -- Conditionals, Loops, and Iterations
Week 3: Ruby -- Methods and Classes
Week 4: Ruby -- Modules and Writing Tests
Week 5: Rails -- Installation, RubyGems, Routes, Controllers and Views
Week 6: Rails -- Dynamic Content, Templates, Databases, Migrations
Week 7: Rails -- Models, ActiveRecord, Associations
Week 8: Rails -- CRUD, Layouts, Partials
Week 9: Rails -- Forms, Validations, Authentication (Devise)
Week 10: Rails -- Debugging, Deployment, Writing Tests
Week 11: Rails -- REST, APIs, and Writing Tests
Week 12: Final Week -- Finish and Present Projects, Final Exam

The idea behind this class will be to take students who are unfamiliar -- or only slightly familiar -- with Ruby through an intense 1-month course on the Ruby language. After that, we dive into the Rails framework. The course load will not be light, and is for students who are serious about learning Ruby on Rails. Students will be expected to spend 2-3 hours studying outside of class for every hour spent in class.

Students will be provided reading materials, 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.

The Saturdays that are scheduled learning times (1 Saturday each month) will primarily consist of career development, portfolio building, and project time. There will also be small lectures on very specific topics on Ruby or Rails or both.

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 :)