Software Development
Curriculum Roadmap

	Day 1	Day 2	Day 3
Week 1	Tools Techniques	Ruby on Rails 1	Ruby on Rails 2
Week 2	Internet Deployment	Front End 1	Front End 2
Week 3	Test Driven Development	Interfacing Templating	Rails Recap Lightweight Frameworks Persistence 1
Week 4	Persistence 2 Backend Recap	Stacks Front end Back end	Stacks Front end Back end
Week 5	Project Work	Project Work	Project Work
Week 6	Project Work	Project Work	Project Work

Day 4

Cross-Track, Project work

Day 5

Demo / Evaluation Day

Tools

Unix Shell   Library (Gem)
Git   RegEx
Github   Grep
Editors   Tmux
Environment   Touch Typing

Techniques

Pair Programing
Teaming

Rails 1/2

TBD

Internet

Infrastructure
DNS
SSL

Deployment

AWS   Nginx
Linode   Passenger
Heroku   Servers
Apache   Azure

Test Driven Development

TBD

Interfacing

Front End + Back End   JSON
Templating   XML
REST   Reading Code
API Design   Documentation

Lightweight Frameworks

Sinatra
Flask
Express
Node.js

Persistence

DB Types
NoSQL
Schemas
S3
Performance
ORM

Stacks

Bootstrap   Payments
HTML5 Boilerplate   Social Connectors
Backbone   Analytics
Ecommerce