Software Development
Curriculum Roadmap

	Monday	Tuesday	Thursday
Week of June 18	Tools Techniques	Ruby on Rails 1	Ruby on Rails 2
Week of June 25	Internet Deployment	Front End 1	Front End 2
Week of July 2	Test Driven Development	Interfacing Templating	Rails Recap Lightweight Frameworks Persistence 1
Week of July 9	Persistence 2 Backend Recap	Stacks Front end Back end	Stacks Front end Back end
Week of July 16	Project Work	Project Work	Project Work
Week of July 30	Project Work	Project Work	Project Work

Wednesday	Friday
Cross-Track, Project work	Demo / Evaluation Day

Software Development
Topics within each module

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	