Prelude music:

- John LaBarbera Big Band, “Walk On The Wild Side Suite”

- Frank Sinatra, “I Get a Kick Out of You"

Swingin’ With Sinatra

Small Apps Fast

24 October, 2011

Your Presenter

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#tpr7

Sinatra

- www.sinatrarb.com
- Written in Ruby, runs on Rack.
- Simple, flexible, small, and powerful.

Sinatra

Fork me on GitHub

README
DOCUMENTATION
CONTRIBUTE
CODE
CREW
ABOUT

Put this in your pipe

```
require 'sinatra'

get '/hi' do
  "Hello World!"
end
```

and smoke it

```
$ gem install sinatra
$ ruby -rubygems hi.rb
== Sinatra has taken the stage ...
>> Listening on 0.0.0.0:4567
```

Rails vs. Sinatra

- Rails gives you patterns and practices.
- Rails is a set of good working assumptions.
- Sinatra gives your code an interface to the web server and the web.
- Sinatra doesn't really make a lot of assumptions; it just offers features at reasonable places, in case you want them.

Rails is for complicated apps ... ...with feature creep

MOUNT HOLYOKE

2011 Senior Symposium

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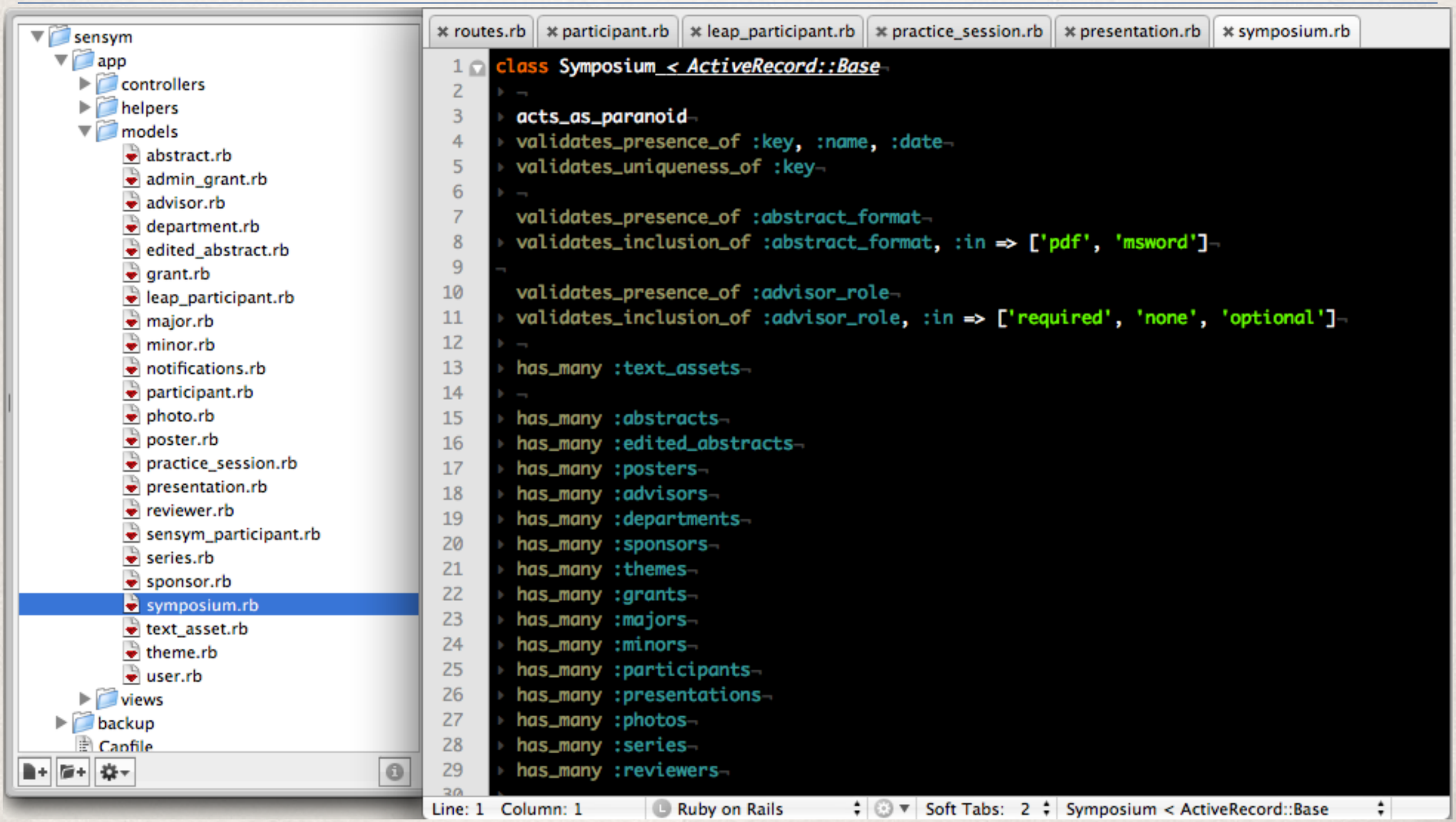
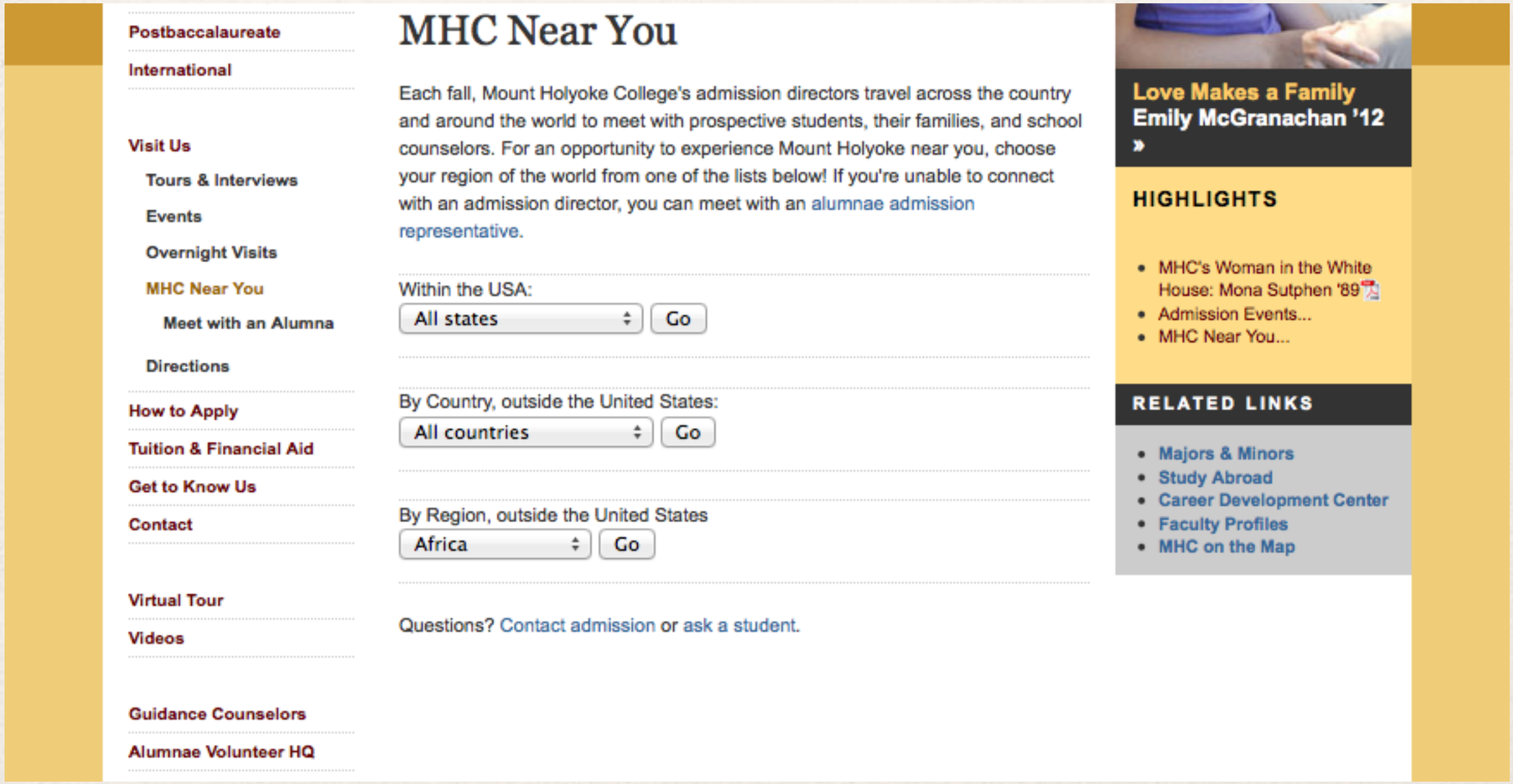
Name*	Department	Advisor	Major(s)	Minor(s)	Status	Photos	Abs.	Abstract Title	Grants	Equipment	Computer Type	Notes	
Samrachana Adhikari '11	Mathematics and Statistics	Michael Lavine	Economics and Mathematics	*unspecified*	abstract_verified			Analyzing Epileptic Brain Data Using Dynamic Linear Models	-	PowerPoint	Windows		✕
Delal Deniz Aktas '11	Philosophy	Susan Hawthorne	Philosophy	Politics	abstract_verified			Subjective Science, Objective Facts: How Values Lead to Truth	-	Power point	Windows		✕
Lilian C. R. Alves '11	International Relations	Luis Jimenez	International Relations	*unspecified*	abstract_verified			US-China-Brazil Relations	Y	Powerpoint	Windows		✕

...and lots of *things*.



Sinatra is for simple apps



Before we demo, what have I already done?

1. Installed Ruby

   - On the Mac I favor
     - Homebrew (mxcl.github.com/homebrew) and
     - rbenv (github.com/sstephenson/rbenv).

   - On Windows I'd start with
     - RubyInstaller (rubyinstaller.org) and
     - Pik (github.com/vertiginous/pik).

2. Installed Sinatra

   - `gem install Sinatra`

Anything else?

- Git
  - I use Git to manage my code; it'll come up in the demo:
    - With Homebrew on a Mac just `brew install git`
    - Otherwise download from git-scm.com
- Gems
  - I'll be using the builder and heroku gems shortly as well:
    - `gem install bundler heroku`

A Brief Tour of Sinatra

Deployment Options

- Phusion Passenger: www.modrails.com
  - Adds elegant Ruby support to Apache and Nginx servers.
- JRuby: jruby.org
  - Java Virtual Machine implementation of Ruby. You'll also want github.com/jruby/jruby-rack or something from recipes.sinatrarb.com/p/deployment/jruby
- Heroku: www.heroku.com
  - Cloud hosting for Ruby, Python, Node.js, Clojure, Java, and Scala.

Now let’s build an app.

© Daniel Dalet / d-maps.com
200 km
100 mi

© Daniel Dalet / d-maps.com
200 km
100 mi
Not Norway
Also not Norway
Norway
Definitely not Norway
No Norway Here

@apetersen
Anne Petersen

Keep Denmark clean: show a Swede to the ferry.

24 Oct via Twitter for iPad ☆ Favorite ↻ Retweet ↩ Reply

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Video:

- http://youtu.be/sY_Yf4zz-yo

It’s coding time.

Music on next slide:

- DJ Format, “Ill Culinary Behavior (DJ Format Remix)” (excerpt)

Dinner’s Served.

Dinner’s Served.

Questions?

Thank you!

Closing music:

- Frank Sinatra with the Tommy Dorsey Orchestra, "East of the Sun (And West of the Moon)"