

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

☞ Sven Aas, Web Team Lead at Mount Holyoke College

☞ saas@mtholyoke.edu / [@svenaas](#)

#tpr7

Sinatra

↳ www.sinatrarb.com

↳ Written in Ruby, runs on Rack.

↳ Simple, flexible, small, and powerful.

Sinatra

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 appswith feature creep



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	<i>unspecified</i>	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	<i>unspecified</i>	abstract_verified			US-China-Brazil Relations	Y	Powerpoint	Windows	✗

...and lots of *things*.

The image shows a screenshot of a Ruby on Rails IDE. On the left is a file explorer showing the project structure:

- sensym
 - app
 - controllers
 - helpers
 - models
 - abstract.rb
 - admin_grant.rb
 - advisor.rb
 - department.rb
 - edited_abstract.rb
 - grant.rb
 - leap_participant.rb
 - major.rb
 - minor.rb
 - notifications.rb
 - participant.rb
 - photo.rb
 - poster.rb
 - practice_session.rb
 - presentation.rb
 - reviewer.rb
 - sensym_participant.rb
 - series.rb
 - sponsor.rb
 - symposium.rb**
 - text_asset.rb
 - theme.rb
 - user.rb
 - views
 - backup
 - Capfile

On the right is a code editor showing the content of 'symposium.rb':

```
1 class Symposium < ActiveRecord::Base
2
3   acts_as_paranoid
4   validates_presence_of :key, :name, :date
5   validates_uniqueness_of :key
6
7   validates_presence_of :abstract_format
8   validates_inclusion_of :abstract_format, :in => ['pdf', 'msword']
9
10  validates_presence_of :advisor_role
11  validates_inclusion_of :advisor_role, :in => ['required', 'none', 'optional']
12
13  has_many :text_assets
14
15  has_many :abstracts
16  has_many :edited_abstracts
17  has_many :posters
18  has_many :advisors
19  has_many :departments
20  has_many :sponsors
21  has_many :themes
22  has_many :grants
23  has_many :majors
24  has_many :minors
25  has_many :participants
26  has_many :presentations
27  has_many :photos
28  has_many :series
29  has_many :reviewers
30
```

The status bar at the bottom indicates: Line: 1 Column: 1 Ruby on Rails Soft Tabs: 2 Symposium < ActiveRecord::Base

Sinatra is for simple apps

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MHC Near You


Each fall, Mount Holyoke College's admission directors travel across the country and around the world to meet with prospective students, their families, and school counselors. For an opportunity to experience Mount Holyoke near you, choose your region of the world from one of the lists below! If you're unable to connect with an admission director, you can meet with an [alumnae admission representative](#).

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Love Makes a Family
Emily McGranachan '12
»

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- MHC's Woman in the White House: Mona Sutphen '89 
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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

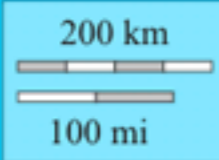
☞ Java Virtual Machine implementation of Ruby. You'll also want github.com/jruby/jruby-rack or something from recipes.sinatrarb.com/p/deployment/jruby

☞ Heroku: www.heroku.com

☞ Cloud hosting for Ruby, Python, Node.js, Clojure, Java, and Scala.

Now let's build an app.





**@apetersen**

Anne Petersen

Keep Denmark clean: show a Swede to the ferry.

24 Oct via [Twitter for iPad](#)  [Favorite](#)  [Retweet](#)  [Reply](#)

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.



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Because not everyone likes to greek in Latin

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Lörem ipsum dolor sit amet, dedeeshka duu. Leebur deroor iehroom, Börk Börk Börk! Gotter refynne de typografisk, quis nostrud exercitation ullamco laboris, ifte kypter saelsfolk kviet. Yöva gäta stahrt sömwaer. Yöva gäta stahrt sömwaer. Ut enim ad minim veniam, letsi ifder svensk og latin makinen dehr graek. Nawei raitinen de wehbsyte.

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Again?

How many paragraphs would you like?

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Yöva gäta stahrt sömwaer. Nawei raitinen de wehbsyte. Nawei raitinen de wehbsyte. Ut enim ad minim veniam, letsi ifder svensk og latin makinen dehr graek.

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That's
borkborkborksum.com

You can tweet it if you like.

I'll be right here.
@svennaas / #tpr7

Questions?

Thank you!

Closing music:

✧ Frank Sinatra with the Tommy Dorsey Orchestra,
“East of the Sun (And West of the Moon)”