

# Athens Ruby Meetup

Welcome to #27 Ruby Meetup  
Friday 18<sup>th</sup> November 2016

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<http://www.sinatrarb.com/>



# Why Sinatra?



...or

...the hard way!



# background

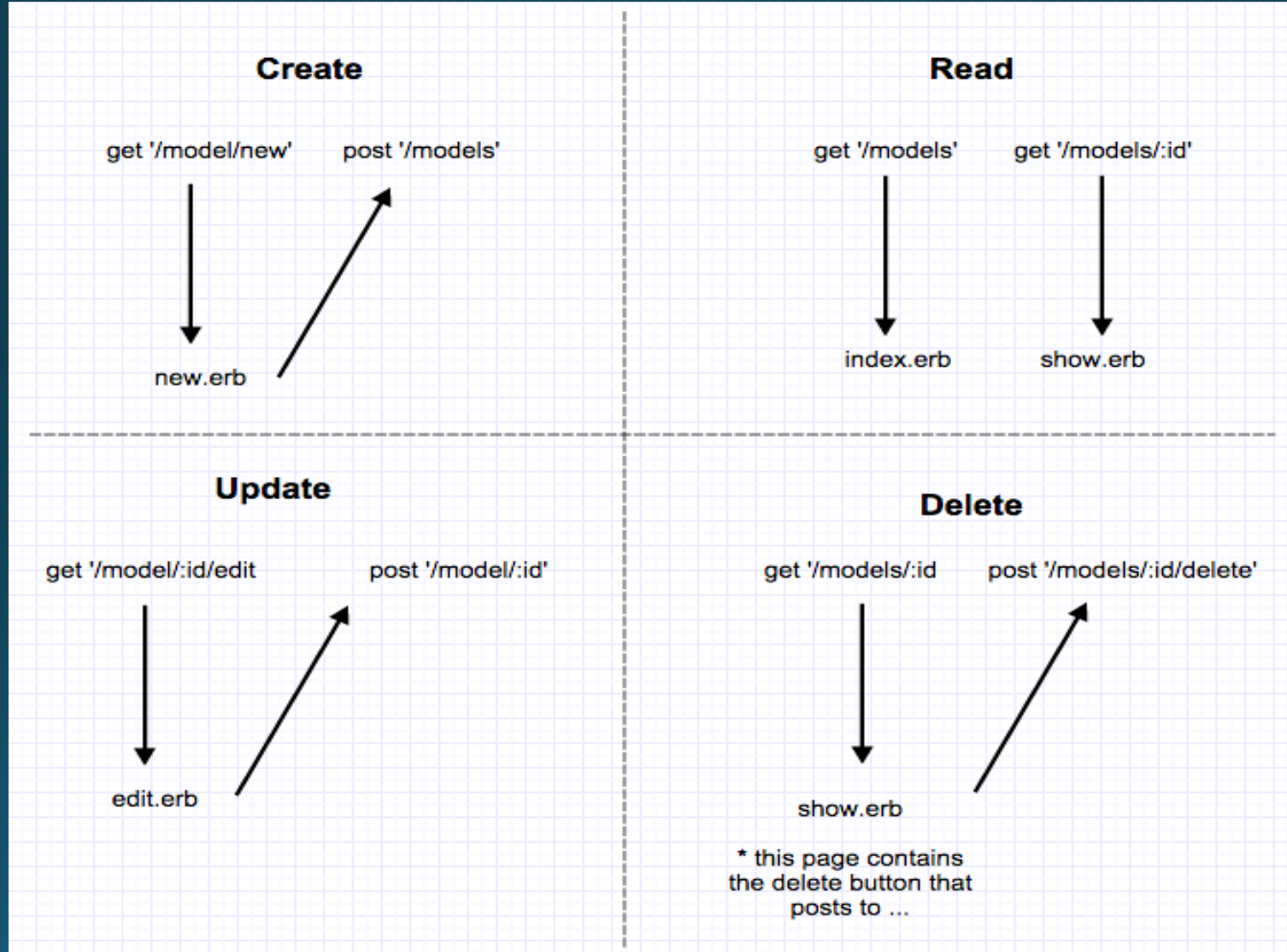
- Created by **Blake Mizerany 2007**
- **Ruby Learning :**
  - How do I learn and master Sinatra?
- Sinatra – quickly create tiny web apps and services
- Ideal for micro-styling
- Sinatra  $\leq$  5-10 end points vs Rails  $>$  15 -20 end points
- Top 200 most download gems
- 40 million vs 80 million downloads

# Companies Using Sinatra

- Heroku
- GitHub
- Apple
- BBC
- LinkedIn
- National Security Agency
- Agency Rainford
- Curbed Network
- Solutios
- Centro
- Apartment Therapy
- Inventive Labs
- ENTP
- Engine Yard
- Citrusbyte
- Lomographic Society International
- Nth Metal Interactive
- Osborne Brook
- Robot Mode
- Thoughtbot
- Forward
- WyeWorks
- Idealist Digital
- A Good Company
- Ylastic
- Fork
- Ant genomics database
- Mu Dynamics
- Scribble Squad
- Stanford
- Hiboux
- PentesterLab
- Animoto
- Red Hat
- Travis CI
- Clearhaus

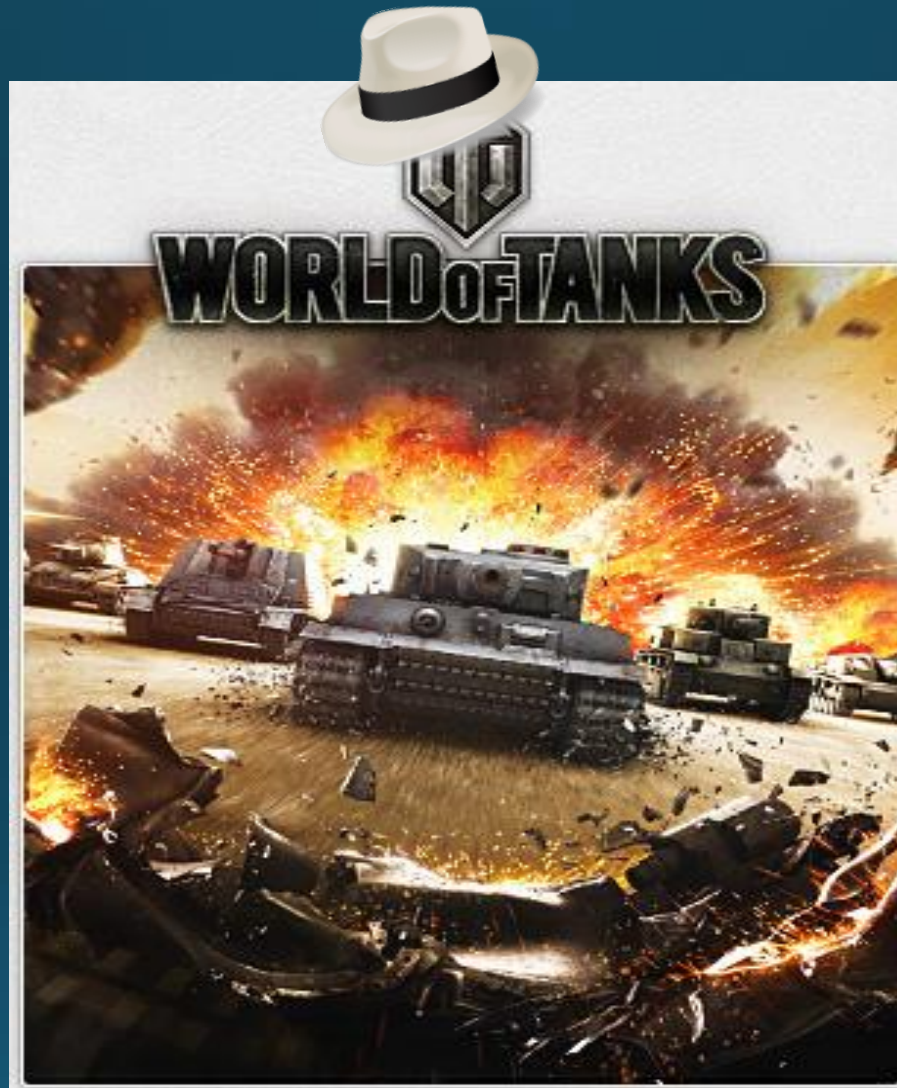


# Routes



# Routes

```
1  get '/' do
2    .. show something ..
3  end
4
5  post '/' do
6    .. create something ..
7  end
8
9  put '/' do
10   .. replace something ..
11 end
12
13 patch '/' do
14   .. modify something ..
15 end
16
17 delete '/' do
18   .. annihilate something ..
19 end
20
21 options '/' do
22   .. appease something ..
23 end
24
25 link '/' do
26   .. affiliate something ..
27 end
28
29 unlink '/' do
30   .. separate something ..
31 end
```



...with Sinatra

# Building everything from scratch

```
1 source 'http://rubygems.org'
2
3 gem 'sinatra'
4 gem 'activerecord', :require => 'active_record'
5 gem 'sinatra-activerecord', :require => 'sinatra/activerecord'
6 gem 'rake'
7 gem 'require_all'
8 gem 'sqlite3'
9 gem 'thin'
10 gem 'shotgun'
11 gem 'pry'
12 gem 'bcrypt'
13 gem 'rack-flash3'
14 gem "tux"
15
16 group :test do
17   gem 'rspec'
18   gem 'capybara'
19   gem 'rack-test'
20   gem 'database_cleaner', git: 'https://github.com/bmabey/database_cleaner.git'
21 end
22
```

# Routes in action

```
tanks_controller.rb
1 class TanksController < ApplicationController
2
3   get '/tanks' do
4     if logged_in?
5       @user = current_user
6       erb : 'users/tanks'
7     else
8       redirect to "/login"
9     end
10  end
end
```

# Routes in action

```
config.ru
1 require './config/environment'
2
3 if ActiveRecord::Migrator.needs_migration?
4   raise 'Migrations are pending. Run `rake db:migrate` to resolve the issue.'
5 end
6
7 use Rack::MethodOverride
8 use UsersController
9 use TanksController
10 run ApplicationController
11
```

```
46
47
48 post '/tanks/:id' do
49   @tank = Tank.find(params['id'])
50   @tank.name = params['name']
51   @tank.nation = params['nation']
52   @tank.save
53   redirect to "/tanks/#{@tank.id}"
54 end
55
56 delete '/tanks/:id' do
57   @tank = Tank.find(params['id'])
58   @tank.delete
59   redirect to '/tanks'
60 end
61
```

# html.erb

```
20 <body>
21   <h1>Update Tank</h1>
22
23   <form action="/tanks/<%=@tank.id%>" method="POST">
24
25     Tank Name: <input type="text" name="name" value="<%=@tank.name%>">
26     Tank Nation: <input type="text" name="nation" value="<%=@tank.nation%>">
27     <br>
28
29     <input type="submit" value="Update Tank">
30   </form>
31
```

# html.erb

```
32
33 <h1>To delete tank click the button below</h1>
34
35 <form method="post" action="/tanks/<%=@tank.id%>">
36   <input id="hidden" type="hidden" name="_method" value="delete">
37   <button id="delete" type="submit" class="btn btn-danger" value="delete">Delete</button>
38 </form>
39
```



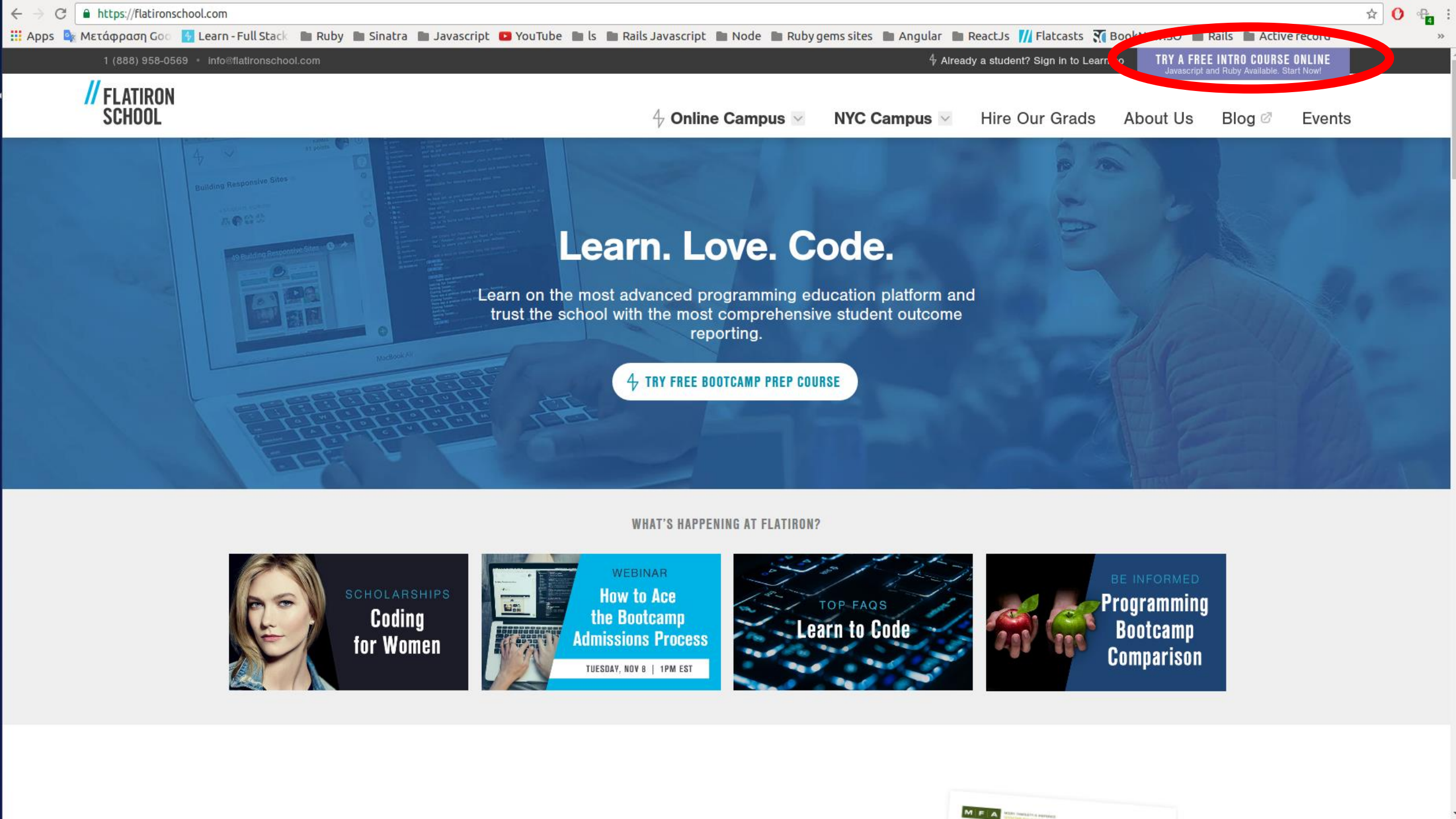
# tux

- `gem "tux"`
- Access database
- CRUD
- Loads environment in the console – routes & views

# shotgun

- Running local server
- application code will be reloaded upon every request

```
[18:41:28] (master) Sinatra-fwitter-project-v-000
// ♥ shotgun
== Shotgun/Thin on http://127.0.0.1:9393/
Thin web server (v1.6.4 codename Gob Bluth)
Maximum connections set to 1024
Listening on 127.0.0.1:9393, CTRL+C to stop
█
```



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## WHAT'S HAPPENING AT FLATIRON?

SCHOLARSHIPS  
**Coding for Women**

WEBINAR  
**How to Ace the Bootcamp Admissions Process**  
TUESDAY, NOV 8 | 1PM EST

TOP FAQs  
**Learn to Code**

BE INFORMED  
**Programming Bootcamp Comparison**

 Thank you

