

# HTTP in Rubyland



*Shannon Skipper*

*[github.com/havenwood](https://github.com/havenwood)*

net/http

http

open-uri

mechanize

excon

HTTP Clients

httpi

[goo.gl/DmKrr1](http://goo.gl/DmKrr1)

httparty

curb

faraday

em-http-request

typhoeus

# HTTP



# THE GEM

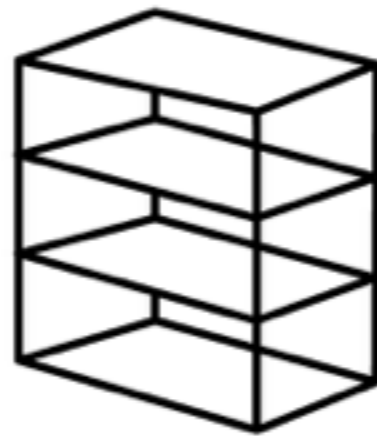
[github.com/httprb/http](https://github.com/httprb/http)

```
>> response = HTTP.get 'http://rack.github.io'
=> #<HTTP::Response/1.1 200 OK {"Server"=>"GitHub.com", "Content-Type"=>"text/html; charset=utf-8", "Last-Modified"=>"Mon, 03 Aug 2015 23:33:50 GMT", "Access-Control-Allow-Origin"=>"*", "Expires"=>"Wed, 10 Aug 2016 17:04:48 GMT", "Cache-Control"=>"max-age=600", "X-Github-Request-Id"=>"C71B4F19:2CC2:AD43E43:57AB5C58", "Content-Length"=>"19950", "Accept-Ranges"=>"bytes", "Date"=>"Wed, 10 Aug 2016 16:54:48 GMT", "Via"=>"1.1 varnish", "Age"=>"0", "Connection"=>"close", "X-Served-By"=>"cache-lax1443-LAX", "X-Cache"=>"MISS", "X-Cache-Hits"=>"0", "Vary"=>"Accept-Encoding", "X-Fastly-Request-Id"=>"e89045a0300bc2d81fac3d8fff3d8eb0e053a9a1"}>
```

```
>> █
```

# HTTP Webserver

# Rack: a Ruby Webserver Interface



**rack**  
powers web applications

[github.com/rack/rack](https://github.com/rack/rack)

config.ru

```
1  module RackApp
2    · OK = '200'
3    · HEADERS = {'Content-Type' => 'text/plain'}
4    · BODY = ['Ruby in Hollywood']
5  ─
6    · def self.call _env
7    ·   · [OK, HEADERS, BODY]
8    · end
9  end
10 ─
11 run RackApp
12 ─
```

Passenger

Thin

Unicorn

Puma

WEBrick

# Rack Webservers

Reel-Rack

Rhebok

Rainbows!

Gorack

Goliath

HTTP Request



Rack Webserver



Rack

Rack Webserver



Rack



Rack Adapter



Sinatra

Roda

Cuba

Rails

Hobbit

Hanami

# Rack Adapters

NYNY

[github.com/luislavena/bench-micro](https://github.com/luislavena/bench-micro)

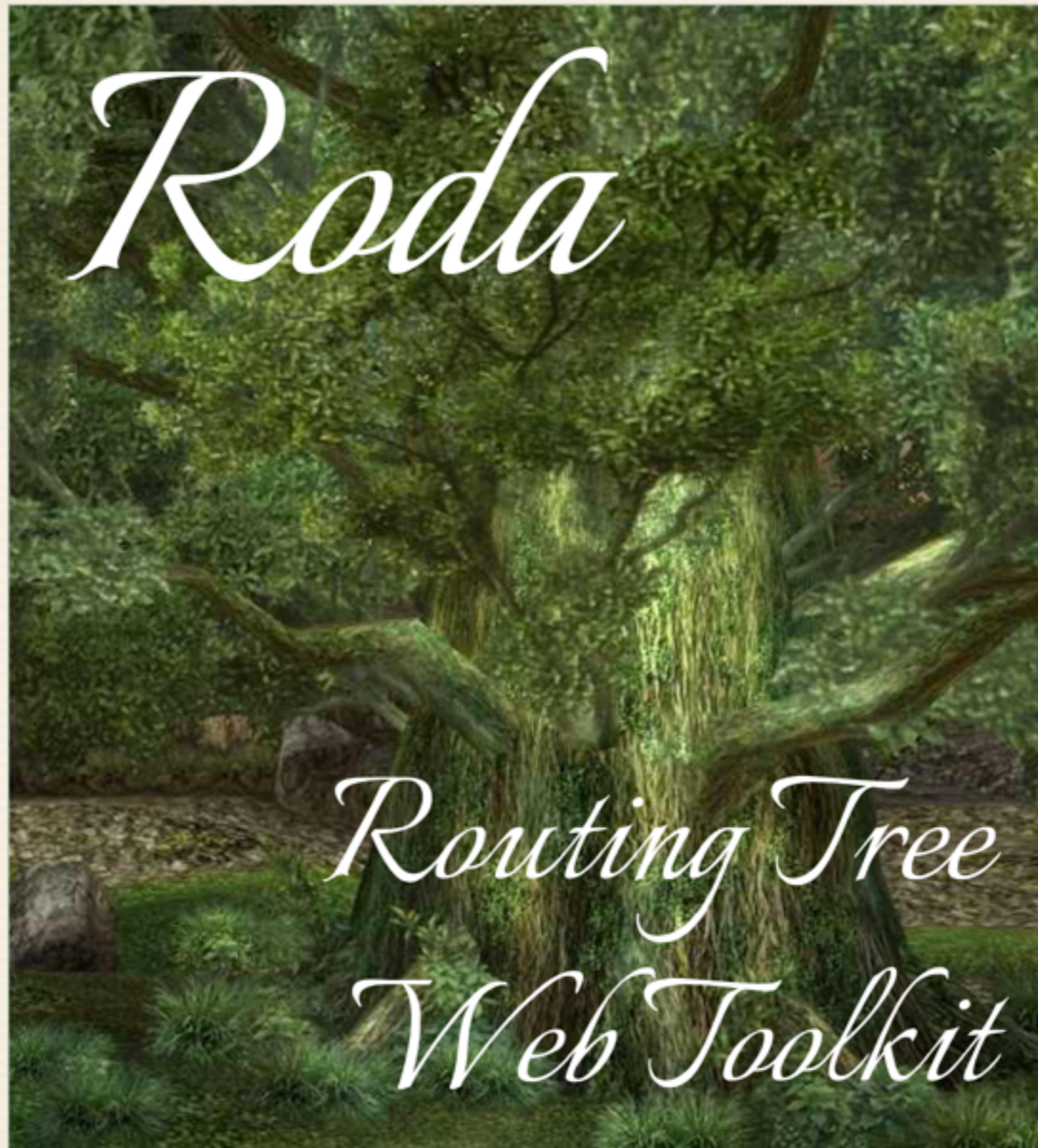
Gin

Scorched

Syro

Brooklyn

Nancy



[github.com/jeremyevans/roda](https://github.com/jeremyevans/roda)

http

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# HTTP2 (H2)

[github.com/igrigorik/http-2](https://github.com/igrigorik/http-2)

ruby -run -ehttpd

[github.com/ruby/ruby/blob/trunk/lib/un.rb](https://github.com/ruby/ruby/blob/trunk/lib/un.rb)

*@havenwood in the #ruby channel on freenode.net irc*