Ruby on Rails helpful links and notes:

- Setting up Ruby on Rails means that you have to install both the Ruby language and the Rails framework. Thankfully they are both open source. I used the most updated versions: Ruby v2.4.0 and Rails v5.0.1. For various operating systems, the installation process is a lot more involved, and I suggest using Rails Installer (http://railsinstaller.org/en) to get you started.
- For Mac OS X and Unix-based operating systems, the process is easier via command line tools. I suggest following https://gorails.com/setup to set up your environment. It takes you from 0 → rudimentary "hello world" page in a short time.
- OMG, the official site for Rails is hella nice for learning how the MVC framework works: http://rubyonrails.org/.
- Especially go through the guide on ActiveRecord because that's how you're going to interface with your database: http://guides.rubyonrails.org/active_record_basics.html. Also really helpful is the getting started with rails tutorial: http://edgeguides.rubyonrails.org/getting_started.html
- Creating a Ruby app requires that you link up with a database in order for the seamless full-stack framework to work. Personally I decided to explore Postgresql as my DBM of choice, but you could also use MySQL, NoSQL, or SQLite (**not** recommended). I had a bit of trouble this step; this link helped: https://www.digitalocean.com/community/tutorials/how-to-setup-ruby-on-rails-with-postgres
- Going through this tutorial is really helpful too, and helps a little bit with learning about Ruby best practices from Google engineers. https://cloud.google.com/ruby/getting-started/deploy-postgres
- For me, the best way to learn is by example. Find some projects and learn how people organize their Ruby code/framework here: https://github.com/trending/ruby
- Honestly, going through this will make you learn the ins and outs of the Ruby language pretty thoroughly, but it's a pain in the butt to go through because it's so **slow** and designed for people who have limited programming experience. I would just skim through the sections that are interesting: https://learnrubythehardway.org/book/
- I haven't personally used this resource, but I heard that it's pretty good: https://www.codecademy.com/learn/learn-rails
- Deploy on a remote server with Unicorn and NGINX: https://www.digitalocean.com/community/tutorials/how-to-deploy-a-rails-app-with-unicorn-and-nginx-on-ubuntu-14-04
- Test test test… Ruby is known for their robust testing framework… take a look here: http://guides.rubyonrails.org/testing.html
- Read the Ruby Doctrines… Convention over Configuration means that you have a lot of power in your hands, but adhere to best practices: http://rubyonrails.org/doctrine/
- A lot of people prefer different IDEs for Ruby, but the most popular ones are Sublime, Vim, RubyMine (https://www.jetbrains.com/ruby/). I believe for RubyMine you can download a free version with your university duke email.