

- \* Network Proxy
- \* Custom URL Schemes
- \* Objective-C Blocks
- \* My Recommended Learning Resources & Tools
- \* Core Competencies For Being A Junior iOS Developer

## How To Setup a Network Proxy

- BurpSuite is a free alternative to Charles that allows you to intercept all network traffic
- You can configure it for https, but we will just do it for http.
- Download it  
here: <https://portswigger.net/burp/download.html>

### Let's install and configure it.

- Select: Proxy tab >> Intercept >> Intercept is Off
- Select: Proxy tab >> Options >> Proxy Listeners >> Select >> Edit
- In Binding make the binding port whatever port you want to intercept: 8080 is the standard for http
- Also select All Interfaces
- Go to your network settings on your Mac and get the IP Address of your wifi network
- Go to your iPhone's wifi settings
- Tap on the disclosure button.
- Scroll to the bottom "Http Proxy" settings
- Set the server to your Mac's Wifi IP address, and the port to 8080.

- BurpSuite will now intercept any insecure HTTP calls from your ios device and you can inspect them in BurpSuite

## Custom URL Schemes

- Allows communication between apps
- Allows your app to take advantage of other application's functionality
- Can be used to send and receive data between apps.
- It's a powerful mechanism behind the award winning automation app WorkFlows
- It's also the reason the Twitter client or the Youtube client apps open on an iOS device
- These are extremely easy to setup and use
- Open CustomURL folder for demo

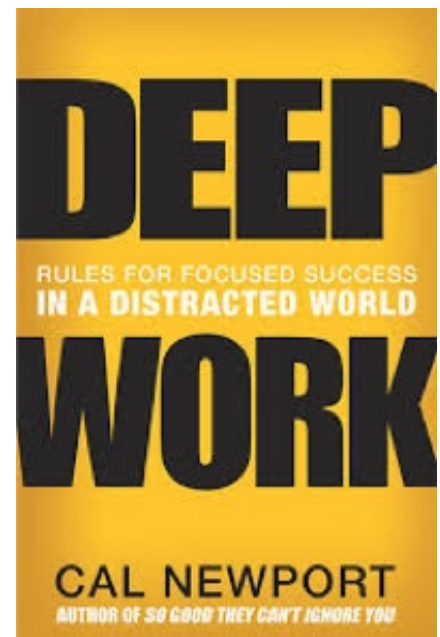
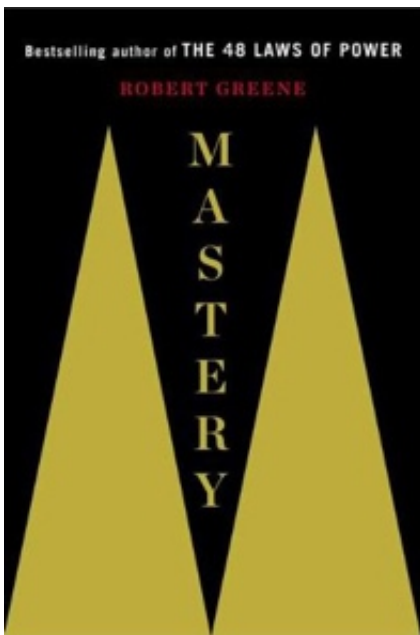
## Objective-C Blocks

Please Open the Blocks.pdf file and open the CustomURL project.

## Post LightHouse Learning

- Reflect on your learning style
- Develop a deliberate learning practice
- Pick high quality resources & cut through the noise
- Start every day with Code Katas
- Commit essentials to memory (Anki)

- Avoid copying & pasting code – type it out
  - Never add code you don't understand
  - Learn to type fast!
  - Be prolific
  - Refactor your code
  - Refactor other people's code to learn how it works
  - Study existing open source projects
  - Contribute to open source projects
  - Contribute on SO
- 
- Some general resources I find helpful to help master programming:



## My Recommended iOS Learning Resources

- Stanford iOS course on iTunesU
- Udacity

- Toronto Public Library!
- Big Nerd Ranch Books
- All books by Erica Sadun
- All books by Matt Neuburg
- Uncle Bob (Bob Martin) Clean Code
- Apple Documentation, Guides, Sample Code, WWDC Videos
- Open source projects on Github
- Download and study the best apps & learn

## Essential Podcasts, Newletters, Blogs

- iOS Dev Weekly Newsletter: <https://iosdevweekly.com>
- Under The Radar Podcast: <https://www.relay.fm/radar>
- RayWenderlich  
Podcast: <https://www.raywenderlich.com/rwpodcast>
- iPhreaks Podcast: <https://devchat.tv/iphreaks>
- Natasha The Robot  
NewsLetter/Blog: <https://www.natashatherobot.com>
- Tim Ferriss  
Podcast: <http://fourhourworkweek.com/podcast/>

## Essential Tools

- Dash Document Viewer (iOS/Mac)
- OpenSim (Open Source Alternative to SimPholders): <https://github.com/luosheng/OpenSim>
- Snappy (Best Screen shot tool): <https://itunes.apple.com/ca/app/snappy-snapshots-smart-way./id512617038?mt=12>
- Copy em Paste (Best clipboard manager):

<https://itunes.apple.com/ca/app/copyem-paste-superior-clipboard/id876540291?mt=12>

- Alfred  
Launcher: <https://itunes.apple.com/ca/app/alfred/id405843582?mt=12>
- Quiver Programmer  
Notebook: <https://itunes.apple.com/ca/app/quiver-programmers-notebook/id866773894?mt=12>
- Keyboard Maestro (Mac automation tool): <http://www.keyboardmaestro.com/main/>
- GoodReader iOS PDF reader and file manager

## Learn Design Patterns





## On Being Stupid

“Stop thinking about yourself. While learning something new, many students will think, ‘Damn, this is hard for me. I wonder if I am stupid.’ Because stupidity is such an unthinkably terrible thing in our culture, they will then spend hours constructing arguments to explain why they are intelligent yet having difficulties. The moment you start down this path, you have lost your focus”.

– Cocoa Programming for OS X

**Open\_core\_competencies.pdf file**