Some interesting links worthwhile checking

Stackoverflow

- What are the lesser known but useful data structures?
  - http://stackoverflow.com/questions/500607/what-are-the-lesser-known-but-useful-data-structures
- List of freely available programming books
  - http://stackoverflow.com/questions/194812/list-of-freely-available-programming-books

Programming, scripting, etc.

- Java generics FAQ
  - http://www.angelikalanger.com/GenericsFAQ/JavaGenericsFAQ.html
- Advanced bash-scripting guide: an in depth exploration of the art of shell scripting
  - http://www.angelikalanger.com/GenericsFAQ/JavaGenericsFAQ.html
- Metacademy
  - http://www.metacademy.org/
- Python modules (2.7)
  - https://docs.python.org/2/tutorial/modules.html
- sample tmux conf
  - https://github.com/mordr/tmux/blob/master/.tmux.conf
- sample vimrc
  - https://github.com/mordr/vimrc/blob/master/.vimrc
- The Rust Programming Language
  - https://www.youtube.com/watch?v=d1uraoHM8Gg
- Successful Language Design
  - https://www.youtube.com/watch?v=Sg4U4r_AgJU
- Java 8 basics
  - https://www.youtube.com/watch?v=j9nj5dTo54Q
- Functional programming design patterns
  - https://www.youtube.com/watch?v=E8I19uA-wGY
- Logback MDC
  - http://logback.qos.ch/manual/mdc.html
- Spring boot and oauth2
  - https://spring.io/guides/tutorials/spring-boot-oauth2/
- Spring security and micro services
  - http://presos.dsyer.com/decks/microservice-security.html
- Bash style guides
  - https://devmanual.gentoo.org/tools-reference/bash/
  - https://google.github.io/styleguide/shell.xml
- Is it really 'Complex'? Or did we just make it 'Complicated'?
  - https://www.youtube.com/watch?v=ubaX1Smg6pY
- AngularJS Fundamentals in 60-ish minutes
  - https://www.youtube.com/watch?v=i9MHigUZKEM
- Covariance and contravariance rules in Java
  - covariant: If T' is a subtype of T, then C[T'] is a subclass of C[T]
  - contravariant: If T' is a subtype of T, then C[T] is a subclass of C[T']
  - invariant: If T' is a subtype of T, then C[T] and C[T'] are not related
  - https://briangordon.github.io/2014/09/covariance-and-contravariance.html
- Clojure - Functional Programming For the JVM
  - https://objectcomputing.com/resources/publications/sett/march-2009-clojure-functional-programming-for-the-jvm/
- Clojure For the Brave And True
  - https://www.braveclojure.com/foreword/

- Clojure docs - community driven doc with examples
    - https://clojuredocs.org
- Repl.it
    - https://repl.it/languages
- Scastie
    - https://scastie.scala-lang.org

Blog links, etc.

- Free programming ebooks
    - http://www.citizen428.net/blog/2010/08/12/30-free-programming-ebooks/
- Low level bit hacks you absolutely must know
    - http://www.catonmat.net/blog/low-level-bit-hacks-you-absolutely-must-know/
- No excuse list
    - http://www.noexcuselist.com/
- Microservices
    - http://martinfowler.com/articles/microservices.html
- Schema evolution in avro, protobuf, and thrift
    - https://martin.kleppmann.com/2012/12/05/schema-evolution-in-avro-protocol-buffers-thrift.html
- Cassandra vs Riak vs HBase ...
    - https://blog.mozilla.org/data/2010/05/18/riak-and-cassandra-and-hbase-oh-my/
    - http://kkovacs.eu/cassandra-vs-mongodb-vs-couchdb-vs-redis
- http://www.michael-noll.com/
- Godel's Lost Letter and P = NP
    - https://rjlipton.wordpress.com
- Self-documenting Makefile
    - http://marmelab.com/blog/2016/02/29/auto-documented-makefile.html
- The definitive guide to linux sys calls
    - http://blog.packagecloud.io/eng/2016/04/05/the-definitive-guide-to-linux-system-calls/
- http://blog.thefirehoseproject.com/posts/29-behaviors-will-make-unstoppable-programmer
- RESTful API strategy
    - https://github.com/restfulapi/api-strategy
- Functors, Applicatives, and Monads in Pictures
    - http://adit.io/posts/2013-04-17-functors,_applicatives,_and_monads_in_pictures.html
- All HTTP status codes with RFC links
    - https://www.iana.org/assignments/http-status-codes/http-status-codes.xhtml
- Apple's ML Journal
    - https://machinelearning.apple.com
- Unicode and character sets
    - http://global.joelonsoftware.com/English/Articles/Unicode.html

Cheat sheets

- overapi - all cheat sheets
    - http://overapi.com/
- docker cheat sheet
    - https://github.com/wsargent/docker-cheat-sheet

Meetups

- LA Machine Learning
    - http://www.meetup.com/Los-Angeles-Machine-Learning-Data-Science/
- Los Angeles Hadoop Users Group - LA-HUG
    - http://www.meetup.com/LA-HUG/
- LA R users group
    - http://www.meetup.com/Los-Angeles-R-Users-Group-Data-Science/
- Los Angeles Gophers - Go Programming Language
    - http://www.meetup.com/Los-Angeles-Gophers/
- LA Startup Community
    - http://www.meetup.com/LA-Startup-Community/
- AdTechLA
    - http://www.meetup.com/AdTechLA/

Books, etc.

- Learn python the hard way

    - http://learnpythonthehardway.org/book/
- Game programming patterns
    - http://gameprogrammingpatterns.com/
- Web fundamentals: best practices for modern web development
    - https://developers.google.com/web/fundamentals/
- A computational introduction to number theory and algebra
    - http://shoup.net/ntb/
- The architecture of open source applications
    - http://www.aosabook.org/en/index.html
- Convex optimization
    - http://stanford.edu/~boyd/cvxbook/
- Mining of massive datasets
    - http://i.stanford.edu/~ullman/mmds.html
- Introduction to Information Retrieval
    - http://nlp.stanford.edu/IR-book/
- Bayesian Reasoning and Machine Learning
    - http://web4.cs.ucl.ac.uk/staff/D.Barber/pmwiki/pmwiki.php?n=Brml.Online
- An Introduction to Statistical Learning
    - http://www-bcf.usc.edu/~gareth/ISL/
- Elements of Statistical Learning
    - http://statweb.stanford.edu/~tibs/ElemStatLearn/
- Open Data Structures
    - http://opendatastructures.org
- Site Reliability Engineering - How Google runs production systems
    - https://landing.google.com/sre/book/index.html
- Good Lisp Programming Style
    - http://www.cs.umd.edu/~nau/cmsc421/norvig-lisp-style.pdf
- Probabilistic Programming and Bayesian Methods for Hackers
    - https://camdavidsonpilon.github.io/Probabilistic-Programming-and-Bayesian-Methods-for-Hackers/
- An Introduction to MCMC for Machine Learning
    - https://www.cs.princeton.edu/courses/archive/spr06/cos598C/papers/AndrieuFreitasDoucetJordan2003.pdf

Game Development

- How The Witcher Devs Turn Great Ideas Into Game Features
    - https://www.youtube.com/watch?v=moW8-MXjivs
- Behind the Scenes of the Cinematic Dialogues in The Witcher 3: Wild Hunt
    - https://youtu.be/chf3REzAjgI
- Ellie: Buddy AI In The Last Of Us
    - https://youtu.be/dnGzEn6swqo
- Programming Context-Aware Dialogue In The Last Of Us
    - https://youtu.be/Y7-OoXqNYgY
    -

Misc

- Matasano crypto challenges
    - http://cryptopals.com/
- On Understanding Data Abstraction, Revisited by William R. Cook
    - http://www.cs.utexas.edu/~wcook/Drafts/2009/essay.pdf
- Implementing regular expressions
    - http://swtch.com/~rsc/regexp/
- Awk in 20 minutes
    - http://ferd.ca/awk-in-20-minutes.html
- Using cmd line tools can be way faster than hadoop
    - http://aadrake.com/command-line-tools-can-be-235x-faster-than-your-hadoop-cluster.html
- Linux Profiling at Netflix
    - http://www.slideshare.net/brendangregg/scale2015-linux-perfprofiling
- Scale
    - https://www.youtube.com/user/socallinuxexpo
- Linux performance analysis tools
    - http://www.brendangregg.com/blog/2015-03-17/linux-performance-analysis-perf-tools.html
- Flatbuffers
    - https://google.github.io/flatbuffers/
- Web sequence diagrams
    - https://www.websequencediagrams.com/
- UML diagrams

    - http://www.planttext.com/planttext
- Inventing on Principle
    - https://vimeo.com/36579366
    - 

- PostgreSQL Internals Through Pictures
    - http://momjian.us/main/writings/pgsql/internalpics.pdf
- PostgresSQL Internals presentations
    - http://momjian.us/main/presentations/internals.html#mvcc
- Theoretical minimum
    - http://theoreticalminimum.com/courses

Tools

- tree
    - list contents of directories in a tree-like format
    - sudo port install tree
- ppjson
    - pretty print json on the command line
    - gem install ppjson
- colordiff
    - colorize diff output
    - sudo port install colordiff
- asciidoc
    - http://www.methods.co.nz/asciidoc/
    - sudo port install asciidoc
- Google or-tools
    - https://code.google.com/p/or-tools/
- CvxOpt
    - http://cvxopt.org/
- Lyx
    - http://www.lyx.org/
    - sudo port install lyx
- Sed
    - http://www.grymoire.com/Unix/sed.html
- Awk
    - http://www.grymoire.com/Unix/Awk.html
- webdiff
    - `pip install webdiff`
    - `git webdiff`
- Regexr - regular expression tester
    - http://regexr.com/

Data visualization

- Designing data visualizations (tech talk)
    - https://www.youtube.com/watch?v=R-oiKt7bUU8#t=482
- Hans Rosling's TED page
    - http://www.ted.com/speakers/hans_rosling

Crypto

- Handbook of Applied Cryptography
    - http://cacr.uwaterloo.ca/hac/
- A gentle introduction to elliptic-curve cryptography
    - https://www.youtube.com/watch?v=y_YxRUTI-xU
- FactHacks RSA factorization in the real world
    - https://www.youtube.com/watch?v=95N2KXqH5cs
- Bitcoin and crypto currency lecture series
    - https://www.youtube.com/channel/UCNcSSleedtfyDuhBvOQzFzQ