

Some interesting links worthwhile checking

- Stackoverflow
- Programming, scripting, etc.
- Blog links, etc.
- Cheat sheets
- Meetups
- Books, etc.
- Game Development
- Misc
- Tools
- Data visualization
- Crypto

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=E8l19uA-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/chf3REzAjgl>
- 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>
- PostgreSQL Internals presentations
 - <http://momjian.us/main/presentations/internals.html#mvcc>
- Theoretical minimum
 - <http://theoreticalminimum.com/courses>
- MIT Self Driving Cars lectures
 - <https://selfdrivingcars.mit.edu>

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>