

# Some interesting links worthwhile checking

- [Stackoverflow](#)
- [Programming, scripting, etc.](#)
- [Blog links, etc.](#)
- [Cheat sheets](#)
- [Meetups](#)
- [Books, etc.](#)
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## 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](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
  - [http://www.angelikalanger.com/GenericsFAQ/JavaGenericsFAQ.html](#)

## 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://rjlipon.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](http://adit.io/posts/2013-04-17-functors,_applicatives,_and_monads_in_pictures.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/>

## 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>
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- PostgreSQL Internals Through Pictures
  - <http://momjian.us/main/writings/pgsql/internalpics.pdf>
- PostgreSQL Internals presentations
  - <http://momjian.us/main/presentations/internals.html#mvcc>

## 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

## 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](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=l6jTFxQaUJA>
- FactHacks RSA factorization in the real world
  - [https://www.youtube.com/watch?v=luSnY\\_O8DqQ](https://www.youtube.com/watch?v=luSnY_O8DqQ)
- Bitcoin and crypto currency lecture series
  - <https://www.youtube.com/channel/UCNcSSleedtfyDuhBvOQzFzQ>