# Need to learn.

## Data Structure

* Data structure course stuffs
* Linked list
  + Sort
* Java collection framework
* AVL tree
* Data structure course contents
* Disjoint Set
  + Path optimization

## Algorithm

* Algorithm course stuffs
* Gcd, lcm
* Design Pattern
  + Solid
  + Strategy
  + Factory
  + Observer
  + Decorator
  + Singleton
  + Mvc
* Dynamic programming
  + LIS
  + LCS
  + Coin Change
  + KnapSack
  + Minimum edit distance
* Sorting algo
* Hashing
* Linear equation solving algorithms
* Graph Theory
  + BFS
  + DFS
  + Prims
  + Krushkals
  + Dijstra
  + Bellman ford
  + Floyd Warshall
  + Cycle detection directed/non-directed

## Other

* Basic SQL
* Abstraction vs Encapsulation
* Regular expression
* Learn sorting everything in java and python.
* HCI things

# Programming Language

## Structured C/C++

* Comparator
* Template
* Structure

## Python

* OOP
* Sorting syntax
* Comparator
* Numpy
* Iterate on file paths.
* Lambda
* Beautiful Soup
* Yield

## C#

* Constructor
* Delegate
* generic
* Comparator
* Ref, out in function

## Java

* OOP
* JDK, JRE, JVM
* Iterator
* Enum
* Stream
* Sort linked list
* Type casting
* Exception Handling
* Thread
* Comparator, comparable
* Template/generic
* Java collection framework
* String, charsequence, char
* Upper Bound Lower Bound
* Inheritance
* Functional Programming
  + Lambda
  + Stream
* Socket programming
* Client-server vs p2p
* Java course contents

## JavaScript

* OOP

# Frameworks, Libraries, SDKs, and Others

## Laravel

* MVC
* Basic SQL
* Eloquent
* Middleware

## Android studio

* Jsoup
* String builder

## jQuery

* Basic

## Design Patterns

* Factory
* Strategy
* Observer
* Singleton
* MVC
* Decorator
* State

## Firebase android studio

* Crash course

## Others

* Petri net
* Linear equation solving algorithms.