Python Bootcamp 2020

<https://kalebinn.github.io/Python-Bootcamp.html>

To view the stuff in a folder through terminal

Use… ls

To clear the console simply type

… clear

While on terminal to run the code use

python3 before letting it run

… python3 helloworld.py

**1/15/20**

Kali Linux

Cyber Security

Deep learning.ai

Hashing

* Sha-1 (Secure Hashing Algorithm)
* Sha-256
* Sha-512

Input to HASH

Hash basically changes your input and make it seem like it does something different

The company is not checking to see your password but it is using HASH to see if the HASHES match

Hash as much as you can as a software engineer

Pw 🡪encrypt + SALT(smn like @ccny.cuny.edu) 🡪HASH like 50 times

**Week3**

**1/21/20**

**Day 1**

Bug Bounty – Cyber Security

Algorithms are KEY for Computer Science/Engineer

* Linear search is a part
* 2 coding challenges for Google

Binary Search. Iterative

List=Os.listdir(\_\_\_) to search for a file

PEP-8

Object oriented programming

GAME ---- Pathfinding

Hero 🡪 Good guy(player)

Goal 🡪anything the hero wants(get to this title)

* Find that the path exists first!

CLASSES

* Map
* Players

Main

* Graphs consist of nodes and edges(node connectors). The edges are weighted. These incorporate to pathfinding algorithms.
* We going to create a graph importing libraries and using only vertical and horizontal movements. (NOTE: the graph looks like a checker board.)
* There are ways to do it.. create a multidimensional list. But too messy, according to Kelvin
* We will import the library pygame.