sudo soldiers

learn web development

github.com/SudoSoldiers
fb.com/groups/uwhackers/

whoami

- karan goel

- a n00b at web dev

- love open web

- goel.im

- github.com/karan

who are you?

- know html/css/js?

- know python/ruby?

- worked with heroku/aws/etc?

- expected: have taken 142/143/154

what this is about

- open and free web dev education

- full-stack web development

- complete workflow

- building a portfolio + community

our expectation

- we only guide

- you learn when you do. PERIOD!

ENOUGH!

- gimme some juice…

how the web works

- https://www.udacity.com/course/viewer#!/c-cs253/l-48737165/e-48230539/m-48742046

- browser - sends requests

- server - processes requests

who is a web developer?

- build and maintain websites

- knows:

  - html/css

  - js

  - python/ruby/etc

frontend vs backend

- frontend:

  - what you see

  - html, css, js

- backend:

  - guts of the app

  - js, python, ruby etc

v/s

full stack

- all ends

- server + browser

tools

- text editor (sublime > notepad++)

- terminal

- git, github (get an account)

- jade

- chrome web tools

- google + stackoverflow

node

- js server

- more later

- download and install (nodejs.org)

- test using *node* and *npm* in terminal

git

- *git init*

- *(make changes)*

- *git add <filename>*

- *git commit -m "i made some changes"*

- *[git push -u origin master]*

chrome dev tools

- http://discover-devtools.codeschool.com/

- built into Google Chrome

- access into the internals of the browser and web applications

jade

- template engine

- clean, minimal html

- *npm install jade*

jade

```
<!DOCTYPY html>

<head>

    <title>Karan Goel</title>

</head>

<body>

    <h1>Karan Goel</h1>

    <p>Hi! I'm Karan Goel, a student at
the University of Washington. Say hello!</
p>

    <input type="email" placeholder="Your
email">

    <input type="submit">

</body>

</html>
```

```
doctype html

head

    title Karan Goel

body

    h1 Karan Goel

    p Hi! I'm Karan Goel, a student at
the University of Washington. Say hello!

    input(type="email",
placeholder="Your email")

    input(type="submit")
```

jade

- https://github.com/SudoSoldiers/WebDev

- *jade -P index.jade*

- *jade -w index.jade*

CSS

- make that shit look pretty

```
link(rel="stylesheet", href="style.css", type="text/css")
body {
  text-align: center;
  background: black;
  color: white;
  font-family: helvetica;
}
```

great!

- now you have a page…

- … that no one else can see

hosting options

- shared hosting ($) - hostgator

- vps ($$) - digitalocean

- dedi? ($$$$) - rackspace

- cloud (free-$$) - heroku, was

- github - http://pages.github.com/

- uw web publishing (free) https://www.washington.edu/itconnect/connect/web-publishing/shared-hosting/

let's deploy it

- uw web publishing

- SFTP - filezilla

  - vergil.u.washington.edu : 22

  - NetID

  - NetID password

- Move files into *public_html*

readings

- https://github.com/SudoSoldiers/WebDev/tree/master/p0

- What makes a great web developer? - http://www.quora.com/What-makes-a-great-web-developer

- Things I Wish Someone Had Told Me When I Was Learning How to Code - https://medium.com/learning-to-code/565fc9dcb329

- My year in open source (shameless plug) - http://karan.github.io/2013/12/31/my-year-in-open-source.html

anything else?

**- office hours on facebook group
- show us what you made**

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