

# **sudo soldiers**

## **learn web development**

*[github.com/SudoSoldiers](https://github.com/SudoSoldiers)*

*[fb.com/groups/uwhackers/](https://fb.com/groups/uwhackers/)*

# whoami

- karan goel
- a n00b at web dev
- love open web
- goel.im
- [github.com/karan](https://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

# Google



Google Search

I'm Feeling Lucky

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](https://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

```
<!DOCTYPE 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](http://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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