



DANIEL DUAN & CALVIN CHAN - UCLA ACM TEACH

HACKATHON TIPS & TRICKS

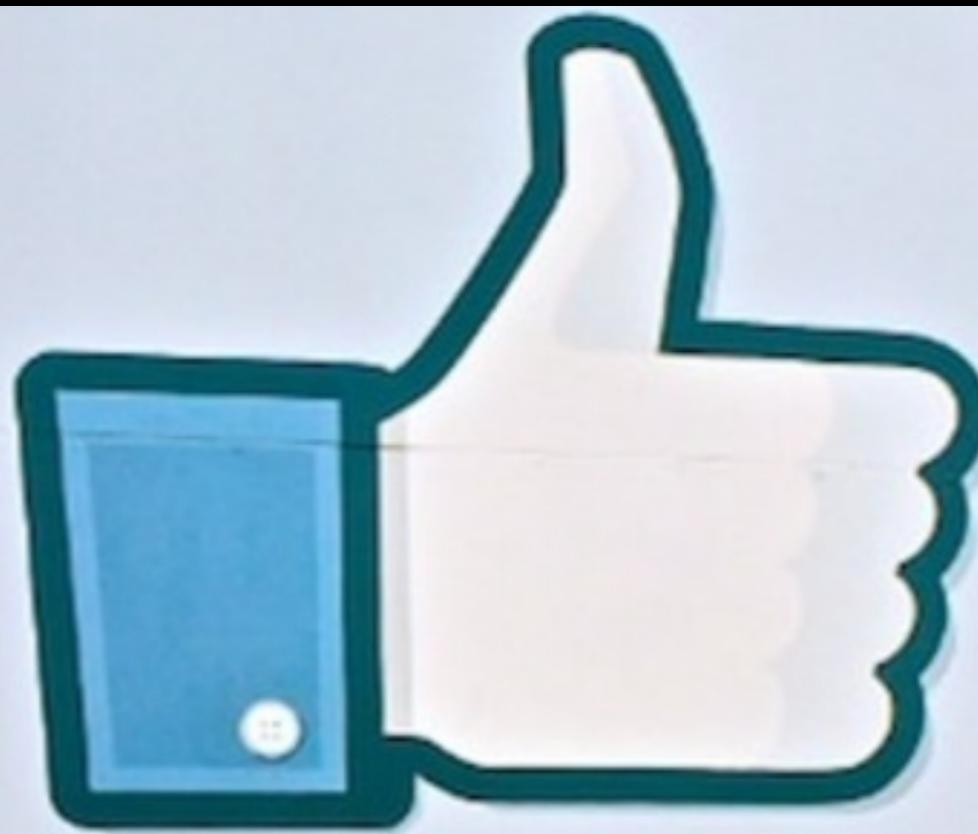
WHAT IS A
HACKATHON?



WHAT TO BUILD FOR
HACKATHON?

"The world is your oyster - think of something that annoyed you today."

-FACEBOOK



facebook

1601 Willow Road

fbcli

```
daniel — fbcli — 100x33

Welcome to fbcli, the command line interface for Facebook.
To get started, type "login" and start hacking away.

~~~~~
[guest@facebook.com ~]$ login
You are now logged in. Type "whoami" to view your own profile.
[daniel@facebook.com ~]$ whoami
~~~~~

735548781
Daniel Duan
04/06/1993
danielduan88@yahoo.com
male
Single
00GG008888888888888888880888888800GC CGGGGCC
GGGG0088888888888888888888000000GC CC
000G00888888888888888888888888880GC
000G00888888888888888888888888880000GC
000G0088888888888888888888888888880G00000GGCCC
GGGG008888888888880G0G008800G000G0000GGGGGCC
000000888888880C 0000000GGGGGGGGGCC C
808888888880C CC 000000GGGGGGCGGGGCC CG
8888888880G G000GGGO0GGGGGGGGC CCGGG
8888088G 0GGGGGGO0GGGGGGGGCCCGCGG000
@88000G CC C00GGGGGGGGGCCGGGCCG00000
C CC CG00GCC CCGCCCCC GGG00000
C 000000GOC CGGG0000000
000C C0000G88GOGC CGG000000
0000GC OOG000800G000C CGC CG0000000
```

Stuck? Type **help** for a list of commands!

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NOW WATCHING: d728abe3

Week

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
-----	-----	-----	-----	-----	-----	-----	-----

Tuesday, Feb 18th

10:00 AM - 11:00 AM

11:00 AM - 12:00 PM

12:00 PM - 1:00 PM

1:00 PM - 2:00 PM

2:00 PM - 3:00 PM

3:00 PM - 4:00 PM

4:00 PM - 5:00 PM

5:00 PM - 6:00 PM

6:00 PM - 7:00 PM



Now



Week



Requests



Bulletin



More

TAKE SCREENSHOT

08:33:04 GMT-0500 (EST)

Week

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun
-----	-----	-----	-----	-----	-----	-----	-----

Sunday, Feb 16th

8:30 AM - 9:30 AM

9:30 AM - 10:30 AM

10:30 AM - 11:30 AM

11:30 AM - 12:30 PM

12:30 PM - 1:30 PM



1:30 PM - 2:30 PM

2:30 PM - 3:30 PM

3:30 PM - 4:30 PM

4:30 PM - 5:30 PM



Now



Week



Requests



Bulletin

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EMAIL

Two Digit Addition Worksheet

$$\begin{array}{r} 21 \\ + 76 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ + 78 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ + 77 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ + 75 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 80 \\ \hline \end{array}$$

$$\begin{array}{r} 86 \\ + 21 \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ + 94 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 47 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ + 70 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 82 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ + 44 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ + 90 \\ \hline \end{array}$$

$$\begin{array}{r} 76 \\ + 59 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 36 \\ \hline \end{array}$$

$$\begin{array}{r} 73 \\ + 88 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ + 50 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ + 34 \\ \hline \end{array}$$

www.math-drills.com

5:38

SoberUp

5



0.0973 eBAC

(Estimated BAC)

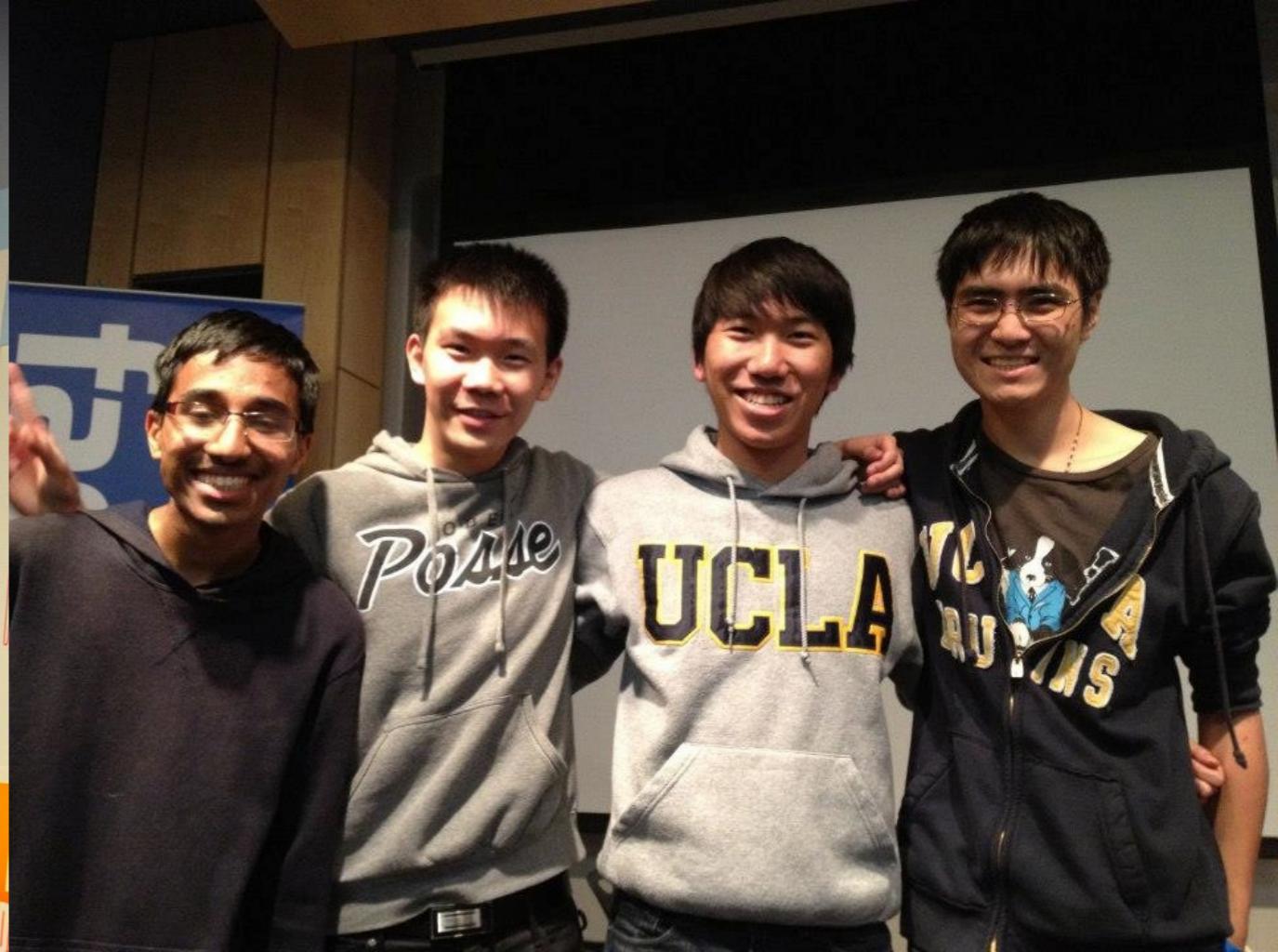
Anger/sadness



06 H 29 M

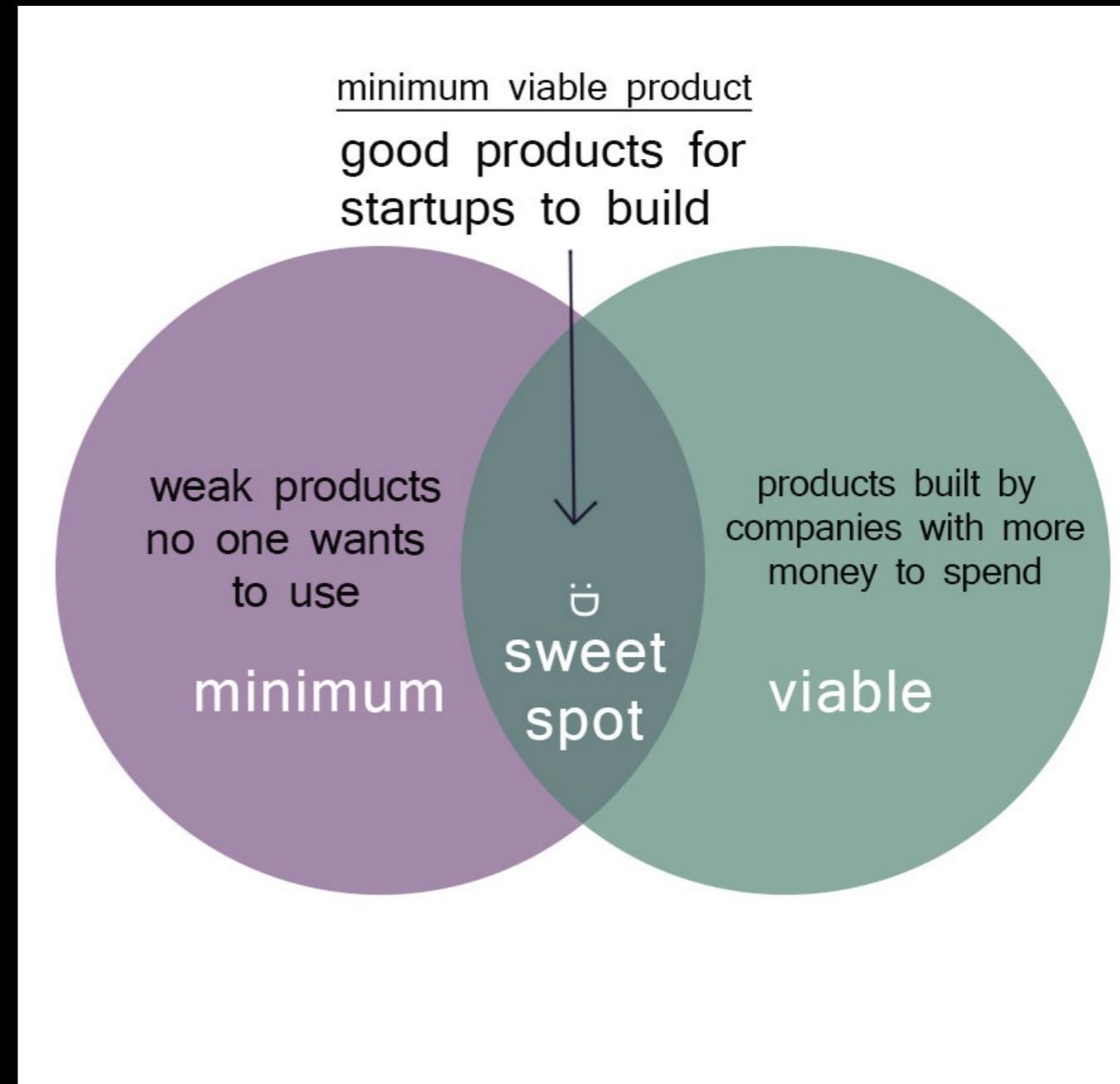


BRING:
AN IDEA & A TEAM.

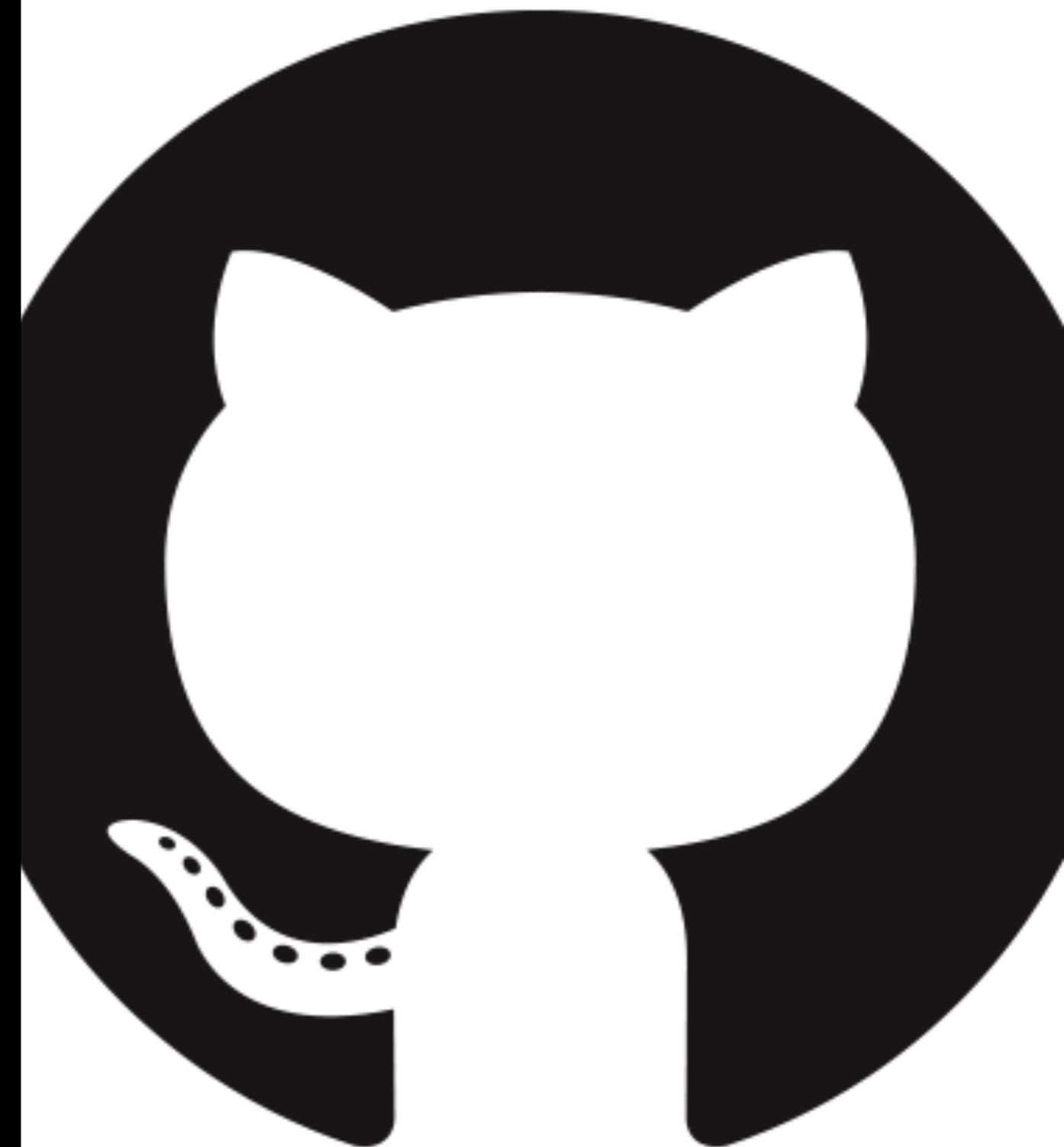


HERE ARE SOME TIPS.

GO FOR MVP



PARALLELIZE
YOUR PROJECT

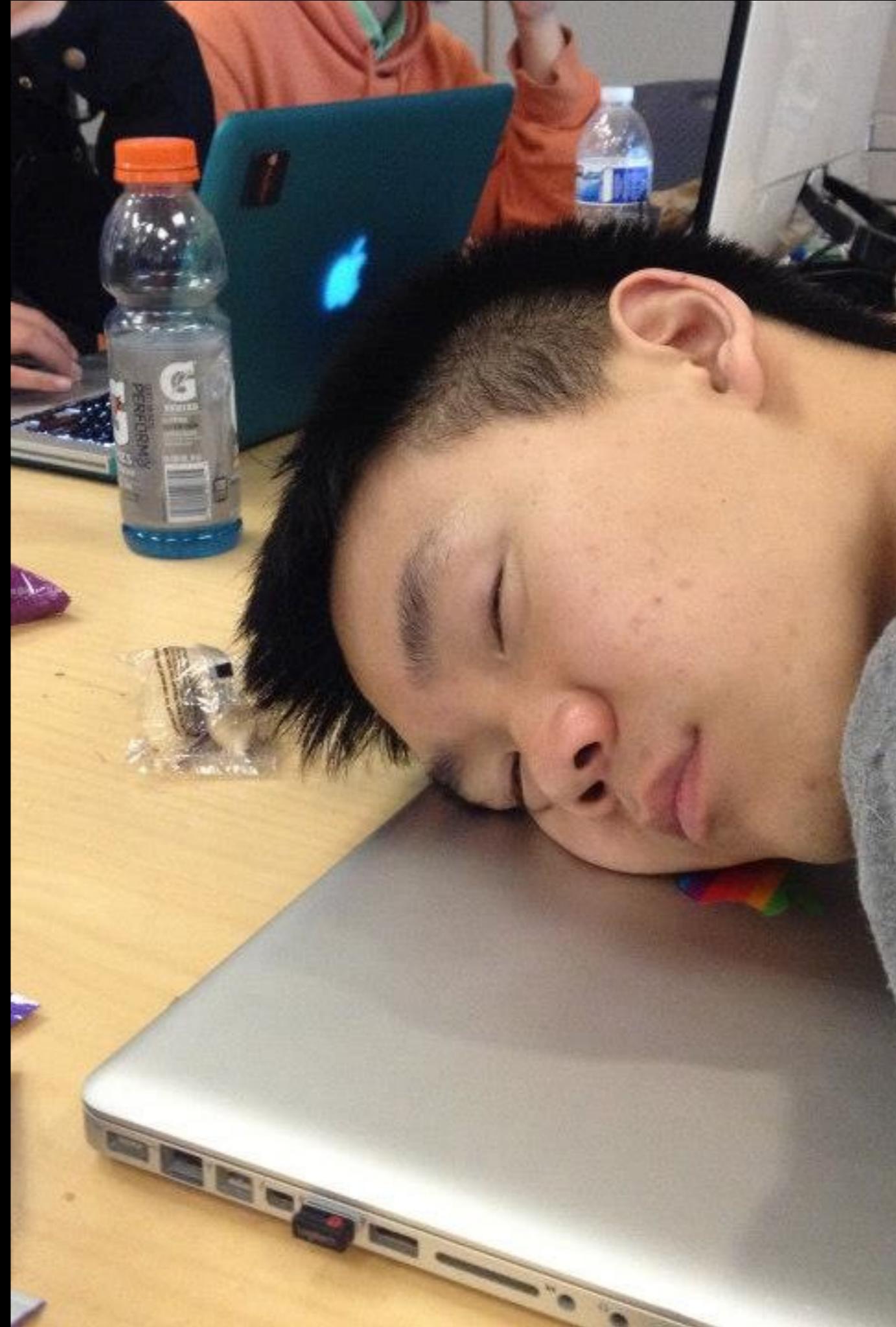




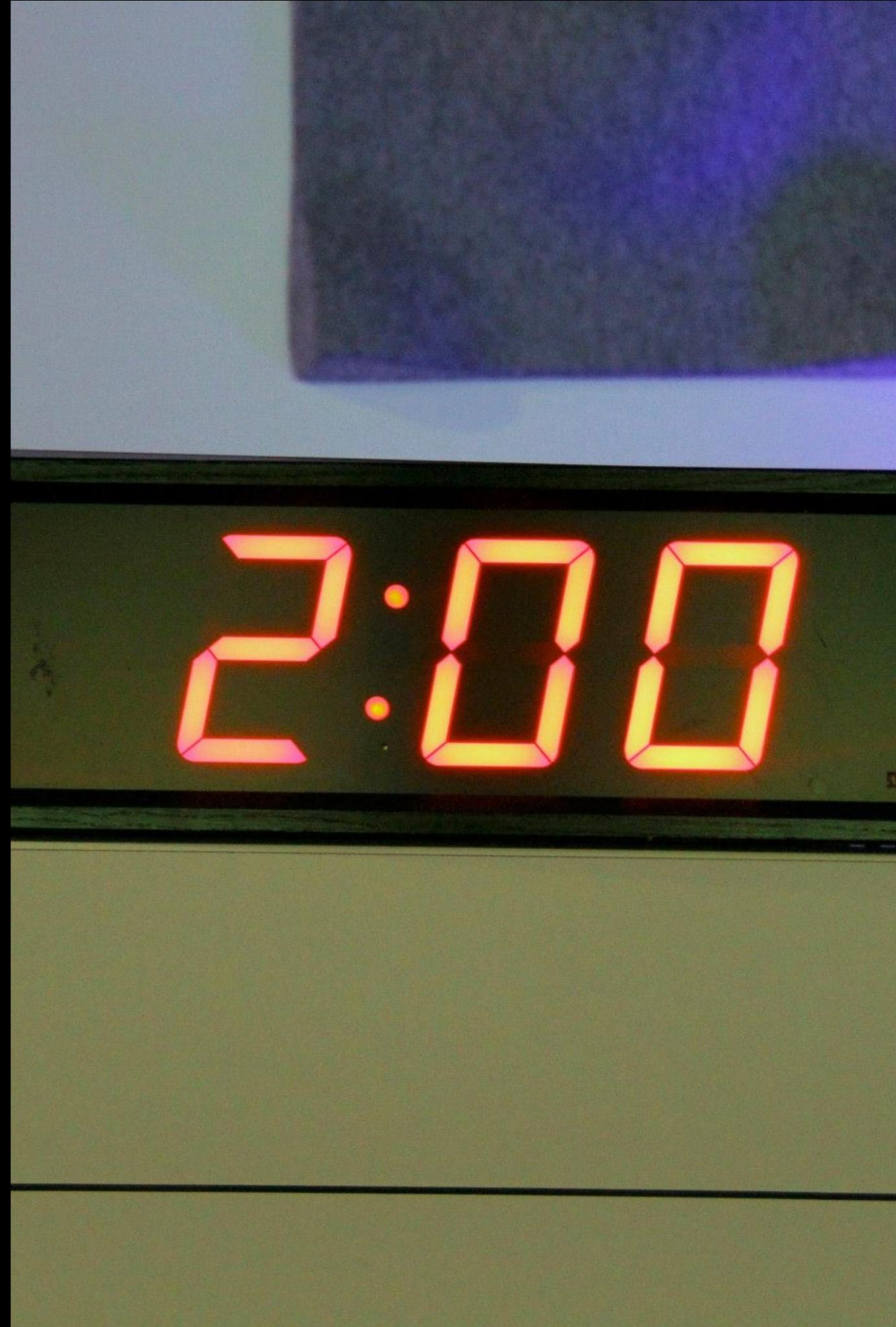
USE HEROKU
FOR DEV AND
HOSTING



POWER NAP
DURING
DOWNTIME



SAVE TIME TO
PREPARE FOR
DEMO



WRITE UGLY CODE

```
394 function parse_input(input) {
395     checkLogon();
396     input_arr = input.split(" ");
397     input_arr_len = input_arr.length;
398     switch(input_arr_len) {
399         case 1:
400             if (input_arr[0] == "ls") {
401                 return ls("");
402             } else if (input_arr[0] == "whatis") {
403                 return whatis("");
404             } else if (input_arr[0] == "whoami") {
405                 return whoami("");
406             } else if (input_arr[0] == "") {
407                 return echo(new Array());
408             } else if (input_arr[0] == "echo") {
409                 return echo(new Array());
410             } else if (input_arr[0] == "find") {
411                 return find("");
412             } else if (input_arr[0] == "help") {
413                 return helper_help();
414             } else if (input_arr[0] == "login") {
415                 login();
416             } else if (input_arr[0] == "logout") {
417                 logout();
418             } else if (input_arr[0] == "cat") {
419                 return "=^..^= meow";
420             } else if (input_arr[0] == "wall") {
421                 return wall("");
422             } else if (input_arr[0] == "#") {
423                 return comment("", "");
424             } else if (input_arr[0] == "man") {
425                 return man(new Array());
426             } else if (input_arr[0] == "exit") {
427                 setTimeout(function(){var ww = window.open(window.location, '_blank');
428                 return "Goodbye."});
429             } else if (input_arr[0] == "cd") {
430                 return cd("");
431             } else if (input_arr[0] == "rm") {
432                 return rm("");
433             } else if (input_arr[0] == "troll") {
434                 window.open("http://bringvictory.com/");
435             } else if (input_arr[0] == "meatspin") {
436                 window.open("http://www.backgroundsdesktop.org/wallpapers/troll");
437             } else if (input_arr[0] == "like") {
438                 return like("");
439             } else {
440                 return error(input_arr[0], "");
441             }
442         break;
443     case 2:
444         if (input_arr[0] == "ls") {
445             return ls(input_arr[1]);
446         } else if (input_arr[0] == "whatis") {
447             return whatis(input_arr[1]);
448         } else if (input_arr[0] == "whoami") {
449             return whoami(input_arr[1]);
450         } else if (input_arr[0] == "echo") {
451             var temp = new Array;
452             temp.push(input_arr[1]);
453             return echo(temp);
454         } else if (input_arr[0] == "find") {
455             return find(input_arr[1]);
456         } else if (input_arr[0] == "#") {
457             return comment(input_arr[1], "");
458         } else if (input_arr[0] == "help") {
459             return error("help", "");
460         } else if (input_arr[0] == "login") {
461             return "Invalid login";
462         } else if (input_arr[0] == "logout") {
463             return "Invalid logout";
464         } else if (input_arr[0] == "wall") {
465             return wall(input_arr[1]);
466         } else if (input_arr[0] == "man") {
467             var temp = new Array;
468             temp.push(input_arr[1]);
469             return man(temp);
470         } else if (input_arr[0] == "cd") {
471             return cd(input_arr[1]);
```

Code Written By A CS 101 Student

```
public int fibonacci(int x) {  
    if (x == 1) {  
        return 1;  
    } else if (x == 2) {  
        return 1;  
    } else {  
        return fibonacci(x - 1) + fibonacci(x - 2);  
    }  
}
```

Code Written At A Startup

```
// TODO add Javadoc comments
/**
 * getFibonacciNumber
 */
// TODO Should we move this to a different file?
public int getFibonacciNumber(int n) {
    // TODO Stack may overflow with recursive implementation, switch over to
    // iteration approach at some point?
    if (n < 0) {
        // TODO This should probably throw an exception. Or maybe just print
        // a log message?
        return -1;
    } else if (n == 0) {
        // TODO Generalize the initial conditions?
        return 0;
    } else if (n == 1) {
        return 1;
    } else {
        // TODO Spend some time with my family and kids, I've been at work for
        // over 48 hours straight.
        return getFibonacciNumber(n - 1) + getFibonacciNumber(n - 2);
    }
}
```

Code Written At A Large Company

```
/**  
 * getFibonacciNumber is a method that, given some index n, returns the nth  
 * Fibonacci number.  
 * @param n The index of the Fibonacci number you wish to retrieve.  
 * @return The nth Fibonacci number.  
 */  
public CustomInteger64 getFibonacciNumber(CustomInteger64 n) {  
    FibonacciDataViewBuilder builder =  
        FibonacciDataViewBuilderFactory.createFibonacciDataViewBuilder(  
            new FibonacciDataViewBuilderParams(n, null, null, 0, null));  
    if (builder == FibonacciDataViewBuilderConstants.ERROR_STATE) {  
        throw new FibonacciDataViewBuilderFactoryException();  
    }  
    FibonacciDataView dataView = builder.GenerateFibonacciDataView(this);  
    if (dataView == FibonacciDataViewConstants.ERROR_STATE) {  
        throw new FibonacciDataViewGenerationException();  
    }  
    return dataView.accessNextFibonacciNumber(null, null, null);  
}
```

Code Written At A Hackathon

```
public int getFibonacciNumber(int n) {  
    switch(n) {  
        case 1: return 1;  
        case 2: return 1;  
        case 3: return 2;  
        case 4: return 3;  
        case 5: return 5;  
        case 6: return 8;  
        case 7: return 13;  
        default:  
            // good enough for the demo, lol  
            return -1;  
    }  
}
```

HERE ARE SOME
RESOURCES.

CHO

STARTUP FRAMEWORK!

Designer?

FLATUICOLORS.COM

FLAT UI
COLORS

TURQUOISE

EMERALD

PETER

GREEN SEA

NEPHRITIS

BELIZ

SUN FLOWER

CARROT

ALIZA

ORANGE

PUMPKIN

POME

[GITHUB.COM](#)

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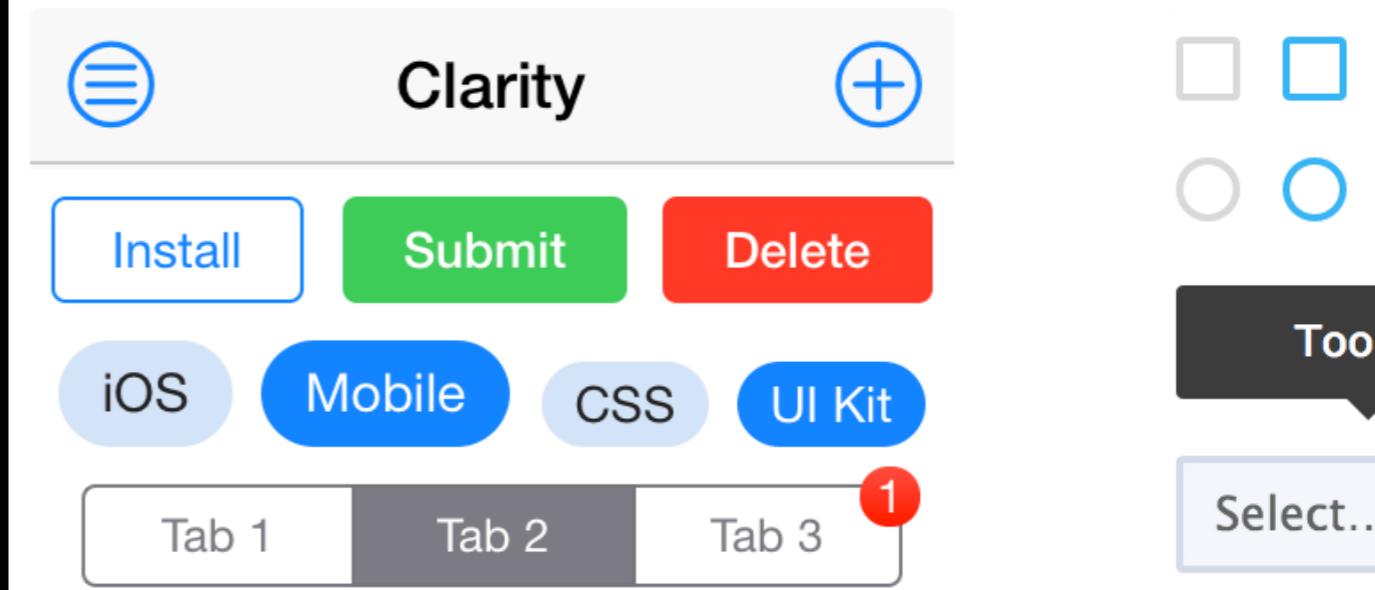
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coded with HTML5, CSS3, and SASS

[CSSFLOW.COM](#)

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Foundation

Foundation

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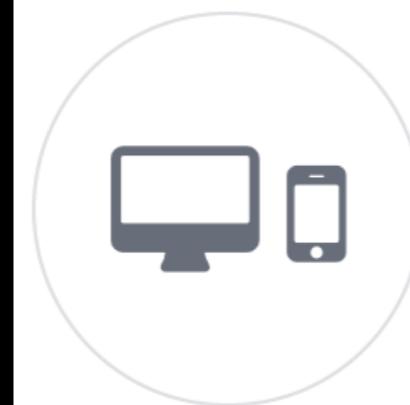
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HTML5UP TEMPLATES



HTML5 UP

... makes **spiffy HTML5 site ten**



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Responsive



Built on intelligent
HTML5 + CSS3



Sup
Custom

Go

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GOOGLE
WEBFONTS

Google Fonts

632 font families shown

Word

Sentence

Paragraph

Preview Text: Grumpy wizards make

Filters:

All categories

Thickness

Slant

Width

Script:

Latin

Reset all filters/search

Styles:

Show all styles

Normal 400

GRUMPY WIZARD

Playfair Display SC, 6 Styles by Cl

Normal 400

Grumpy wizards ma

Londrina Outline, 1 Style by Marce

Normal 400

Grumpy wizards

Gilda Display, 1 Style by Eduardo T

[DRIBBBLE.COM](http://dribbble.com)

DRIBBLE

dribbble

Shots

Designers

Teams

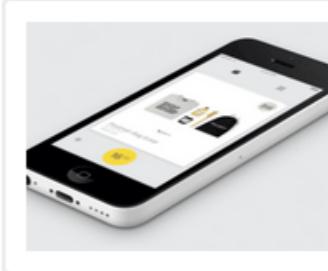
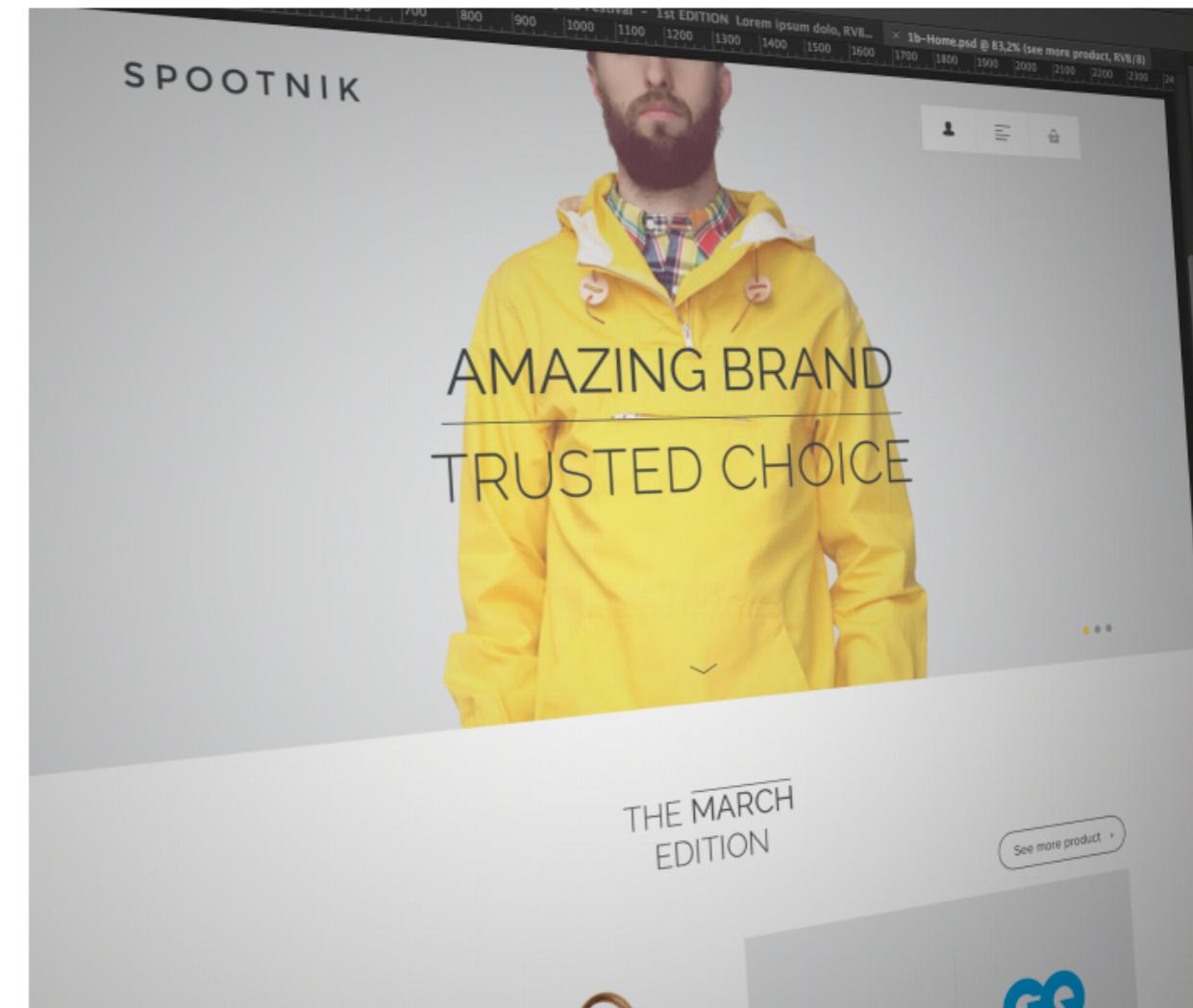
Jobs

•••



Landing Shop

by **Barthelemy Chalvet** Apr 3, 2014 | @2x



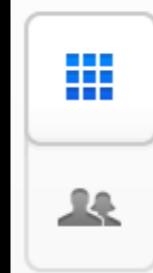
THIS SHOT IS A REBOUND OF...

Menu Interaction

by **Barthelemy Chalvet** PRO

BEHANCE.COM

BEHANCE



Web Design Most Ap



SRG

by [Multiple Owners](#) ▾

Branding, Graphic Design, W...

1639 27883



17

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9 hours ago in Cityscapes & Skylines

5 Comments



North Taieri

18 hours ago in Cityscapes & Skylines

2 Comments

[HTTPS://MEDIUM.COM/P/
62AE4BCBE01B](https://medium.com/p/62ae4bcbe01b)

STOCK PHOTOS THAT DON'T SUCK



Stock photos that

A list of places to find the best free



Dustin Senos in Design / UX

FACEBOOK HACK RESOURCES

- [http://www.davemercurio.com/hackathon/
workshop.html](http://www.davemercurio.com/hackathon/workshop.html)
- <http://www.davemercurio.com/waterloo/index.php>
- <http://paulisageek.com/webintro/>

UCLA ACM TEACH RESOURCES

- Refer to our ACM Teach slides
- Or come find us..

CALVIN CHAN

TWITTER: @CALVINCCHAN

- UCLA ACM Hack Chair
- 11+ hackathons
- Intern at Yahoo
- Facebook Hackathon
World Finalist
- Ask him about HTML/CSS/
JS, Angular.js, Node.js



DANIEL DUAN

TWITTER: @DANDUAN

- UCLA ACM Teach Chair
- 12+ hackathons
- Intern at LinkedIn
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- Ask him about HTML/CSS/
JS, Node.js, API's,
Windows Phone



“Good luck everyone!”

– UCLA ACM TEACH