

422 Software Methodology

Spring 2019

441 Computer Graphics

Winter 2019

433 Computer & Network Security

Winter 2019

415 Operating Systems

Fall 2018

Group Anagrams <https://github.com/NolanCassidy/group-anagrams>

Master Control Program <https://github.com/NolanCassidy/master-control-program>

OS Quaker Server Pub Sub <https://github.com/NolanCassidy/os-quacker-server-pub-sub>

322 Intro Software Engineering

Fall 2018

Brevets Flask Auth Mongo Rest <https://github.com/NolanCassidy/brevets-flask-auth-mongo-rest>

ACP Brevet Times

This worksheet is for ACP-sanctioned brevets between 200 and 1000 kilometers

Miles	Km	Location	Open	Close
1	1.6	Optional location name	Sun 1/1 0:03	Sun 1/1 0:06
2	3.2	Optional location name	Sun 1/1 0:06	Sun 1/1 0:13
4	6.4	Optional location name	Sun 1/1 0:11	Sun 1/1 0:26
		Optional location name		
		Optional location name		
		Optional location name		
		Optional location name		
		Optional location name		

Login

Username:

New Password:

Repeat Password:

Already have an account? Click Login in the navbar above!

Anagram Flask Game <https://github.com/NolanCassidy/anagram-flask-game>

## Words

about	better	bring
carry	clean	cut
done	draw	drink
eight	fall	far
full	got	grow
hold	hot	hurt
if	keep	kind
laugh	light	long
much	myself	never
only	own	pick
seven	shall	show
six	small	start
ten	today	together
try	warm	

Use letters from  
pkself

to spell 2 words from the list.

Word:

keep

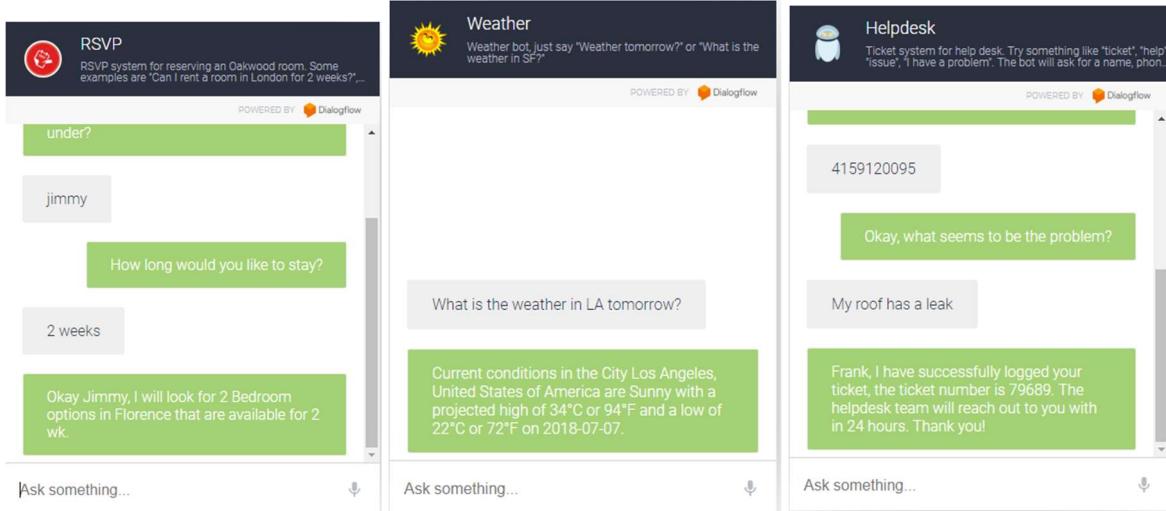
## Oakwood Worldwide IT Internship

Summer 2018

Internal Pricing Bot

External Help Bot <https://www.oakwood.com/help>

Other Test Bots



330 C/C++ & Unix

Spring 2018

Shapeunion Functiontable <https://github.com/NolanCassidy/shapeunion-functiontable>

Rasterization Image Processing <https://github.com/NolanCassidy/rasterization-image-processing>



315 Intermediate Algorithms

Spring 2018

Directed Acyclic Graph <https://github.com/NolanCassidy/directed-acyclic-graph>

Dynamic Phrase Finder <https://github.com/NolanCassidy/dynamic-phrase-finder>

314 Computer Organization

Winter 2018

Bit Manipulation <https://github.com/NolanCassidy/bit-manipulation>

Int Array Pointers <https://github.com/NolanCassidy/int-array-pointers>

Assembly Introduction <https://github.com/NolanCassidy/assembly-introduction>

Swap Y86 Assembly <https://github.com/NolanCassidy/swap-y86-assembly>

Bubble Sort Assembly <https://github.com/NolanCassidy/bubble-sort-assembly>

CPU Time Clock <https://github.com/NolanCassidy/cpu-time-clock>

Direct Mapped Cache <https://github.com/NolanCassidy/direct-mapped-cache>

407 Career Seminar

Winter 2018

Stock Prediction

313 Intermediate Data Structures

Winter 2018

Best Path BST <https://github.com/NolanCassidy/best-path-bst>

Syntax Tree Mathematics <https://github.com/NolanCassidy/syntax-tree-mathematics>

Red Black Tree <https://github.com/NolanCassidy/red-black-tree>

Prioritize Http Requests <https://github.com/NolanCassidy/prioritize-http-requests>

Rolling Median <https://github.com/NolanCassidy/rolling-median>

Binary Search Tree <https://github.com/NolanCassidy/binary-search-tree>

Note Out of Word <https://github.com/NolanCassidy/note-out-of-word>

Match Brackets <https://github.com/NolanCassidy/match-brackets>

Restaurant Cycle <https://github.com/NolanCassidy/restaurant-cycle>

Min Heap <https://github.com/NolanCassidy/min-heap>

Stack Linked List <https://github.com/NolanCassidy/stack-linked-list>

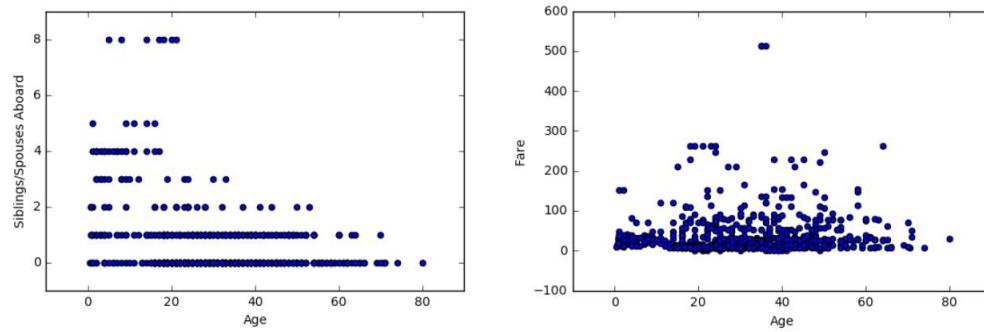
Queue Linded List <https://github.com/NolanCassidy/queue-linked-list>

2 4 Tree <https://github.com/NolanCassidy/2-4-tree>

399 Statistics and Probability in Computer Science

Fall 2017

## Titanic Analysis



212 Computer Science III Java

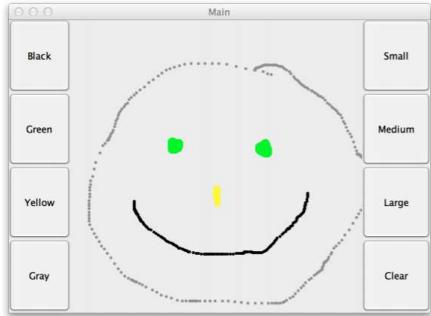
Spring 2017

Java Introduction <https://github.com/NolanCassidy/java-introduction>

Array Data Basics <https://github.com/NolanCassidy/array-data-basics>

Class Hierarchy <https://github.com/NolanCassidy/class-hierarchy>

UI Paint Application <https://github.com/NolanCassidy/ui-paint-application>



Selection Merge Sort <https://github.com/NolanCassidy/selection-merge-sort>

Building Occurrence Set <https://github.com/NolanCassidy/builiding-occurrence-set>

Threads Synchronization <https://github.com/NolanCassidy/thread-synchronization>

Server Client Network <https://github.com/NolanCassidy/server-client-network>

211 Computer Science II Python

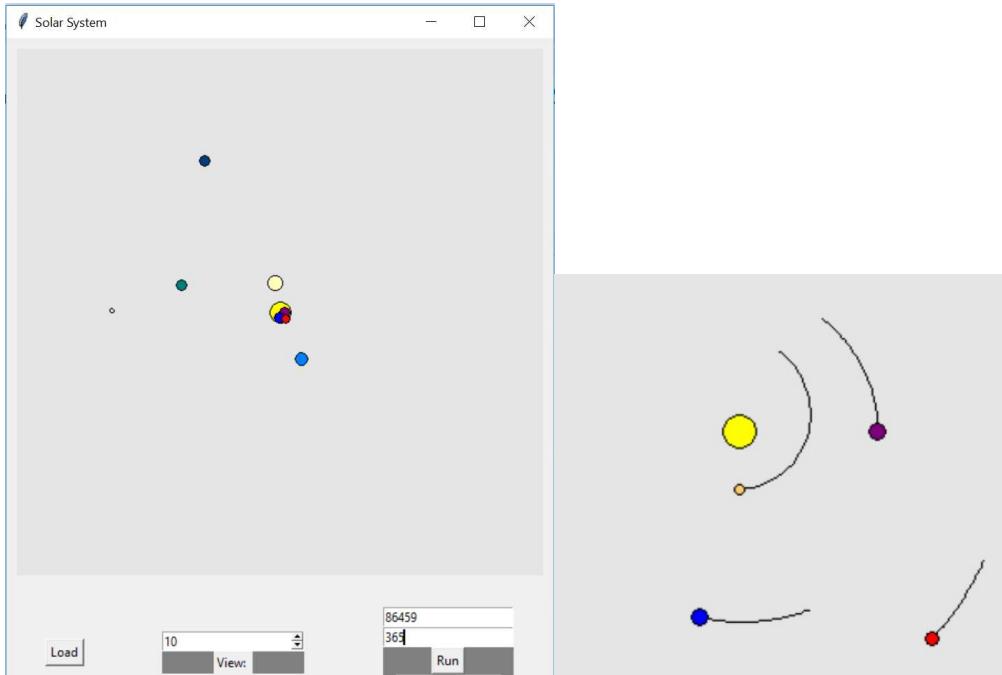
Winter 2017

Hello <https://github.com/NolanCassidy/hello>

Tk <https://github.com/NolanCassidy/tk>

Sqlite <https://github.com/NolanCassidy/sqlite>

Solar System Gui <https://github.com/NolanCassidy/solar-system-gui>



Planets <https://github.com/NolanCassidy/planets>

Orbits <https://github.com/NolanCassidy/orbits>

Crypto <https://github.com/NolanCassidy/crypto>

Biome <https://github.com/NolanCassidy/biome>

```
array([[None, None, None, '🐟', '🐟', None, None, None, None, None],
       [None, None, None, None, None, None, None, None, None, None],
       [None, None, None, None, '🐻', None, None, None, None, None],
       [None, None, None, None, None, None, None, None, None, None],
       [None, None, None, None, '🐟', None, None, '🐟', None, None],
       [None, None, None, None, None, '🐟', None, None, '🐟', None],
       [None, None, None, '🐟', '🐟', None, None, None, None, None],
       [None, None, None, None, '🐟', None, None, None, None, None],
       [None, None, '🐻', None, '🐟', None, None, '🐟', '🐟'],
       [None, None, None, '🐻', None, '🐟', None, None, None],
       ['🐟', None, None, None, None, None, None, None, None, None]], dtype=object)
```

210 Computer Science I Python

Fall 2016

Alphacode <https://github.com/NolanCassidy/alphacode>

Calpr <https://github.com/NolanCassidy/calpr>

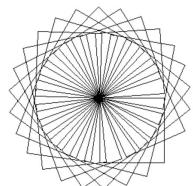
```
> python3 calpr.py 11 2013
Su Mo Tu We Th Fr Sa
      1  2
 3  4  5  6  7  8  9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
```

Counts <https://github.com/NolanCassidy/counts>

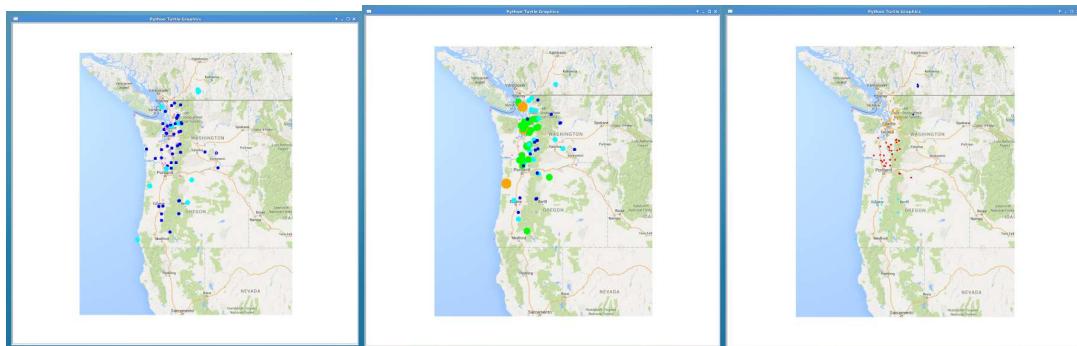
Draw Barcode <https://github.com/NolanCassidy/draw-barcode>



Draw Flower <https://github.com/NolanCassidy/draw-flower>



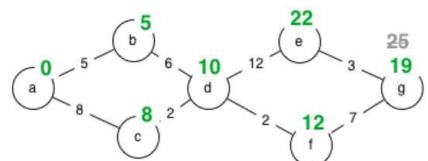
Eqanalysis <https://github.com/NolanCassidy/eqanalysis>



Is Member <https://github.com/NolanCassidy/is-member>

Jumbler <https://github.com/NolanCassidy/jumbler>

Routes <https://github.com/NolanCassidy/routes>



SquareRoot <https://github.com/NolanCassidy/squareroot>

String Reverse <https://github.com/NolanCassidy/string-reverse>

Sudoku Helper <https://github.com/NolanCassidy/sudoku-helper>

Grid								
7	9	2	7	4	6	7	5	8
4		1	1	3	1	3	1	3
1								
5	8	4	6		9	7	4	6
1	3	1	2	1	3		2	1
7	9	9	7	7	7	8	9	8
6	6	6	5	4	5	6	5	6
1	1	3	1	2	1	2	3	1
3	7	4	4	6	5	8	6	8
1	2	1	2	1	1	2		2
6		9		8	9	8	9	
1	5	5	5	5	5	7	4	
4	4	5	8	4	5	6	1	3
2			2		2	2		
7	8	7	7	7	9	7	9	
4	4	5	6	4	5	6	1	3
1	1	3	1	3	1	1	1	
7		9	8	7	7	8	8	7
4	4	5	9	8	5	4	5	5
1	2	1		1	1	1	2	
7	8	7	7	7	8	8	9	7
4	4	5	4	5	3	6	4	5
1	2	1	2	1	1	2	1	2

## TRX IT Internship

Summer 2016

Webdam data transfer

Website for the CEO <https://www.randyhetrick.com/>

Randy is the most widely used piece of fitness equipment in history and the founder of TRX, one of the world's leading training brands. Over the past three decades Randy built a record of unique accomplishments, including: college graduate, Army Ranger, SEAL Officer, bootcamp entrepreneur, and personal trainer. In 2004, Randy sold TRX, which the company earned multiple placements on the Inc. 500 list, the 500 fastest Growing Companies and Outside Magazine's Best Places to Work. He earned a Doctorate from the University of California, Berkeley, and a Master's in Business Administration from Stanford University, and an MBA from Stanford University's Graduate School of Business, where he is a continuing lecturer on entrepreneurship, leadership, and resilience. Randy regularly speaks to his resume at Best of Spice 100 Ready-to-Scale 2016."

[COMPANY BIO](#)

KEYNOTES

FOUNDERMADE

STANFORD UNIVERSITY

IDEA

## AP Computer Science

2015

## Computer Science 1-2

2014