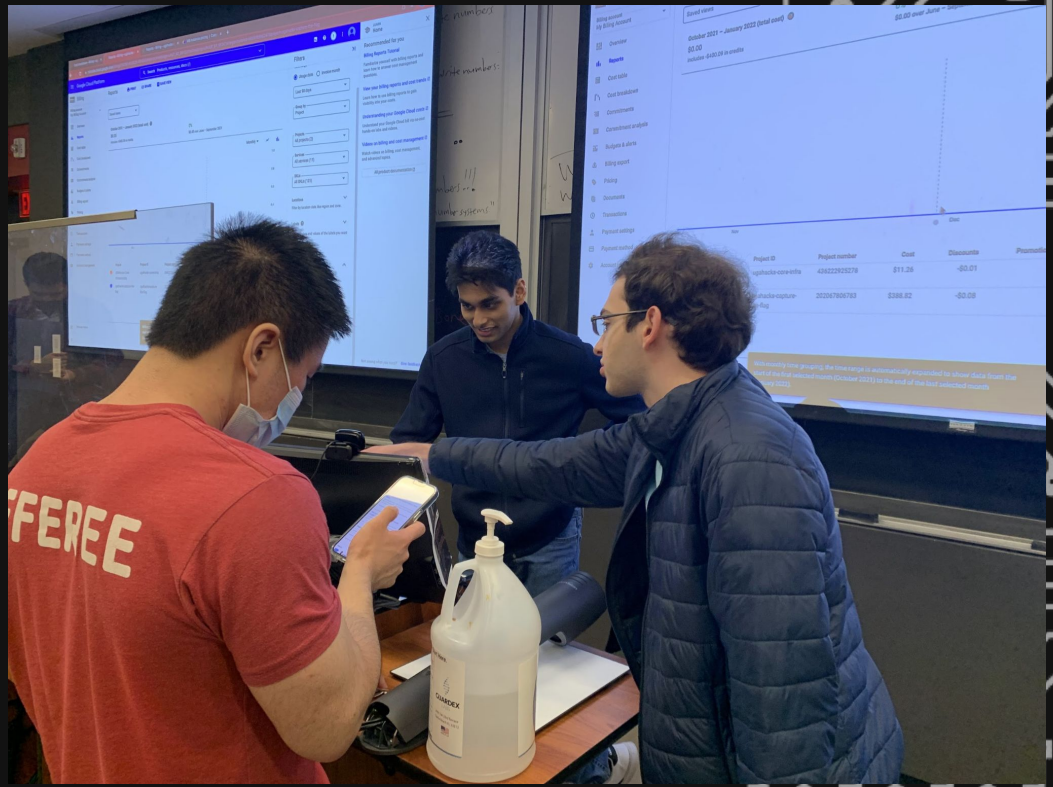
ACM Spring 2022

CSIP 1

Introduction

Welcome!



UGA ACM

Welcome to Association for Computing Machinery @ UGA

TOP THINGS TO DO HERE

- **Join us for interview prep!** #csip
- **Receive notifications around the community** #role-select
- **See what events are happening** #shared-calendar
- **Look through our resources** #general-resources
- **Introduce yourself** #intros

I'll just look around for now

Upcoming Events

10	11	12	13	14
Drop / Add Week First Day of Classes				
17	18	19 • 6pm ACM-W GBM	20 • 12:30pm HPCC Systems Inter • 6pm ACM GBM	21
24	25 • 6pm ACM-CSIP • 7pm ELS Engagement Fair	26 • 5pm SCS w/ KPMG	27 • 6pm ACM GBM	28
31	Feb 1 • 6pm ACM-CSIP	2 • 12pm UGA Spring Career and	3 • 4pm UGA Spring Engineering • 6pm ACM GBM	4

UGA SPRING CAREER & INTERNSHIP FAIR

Where Talent and Opportunity Meet

Wednesday, February 2, 2022

12 pm - 5 pm

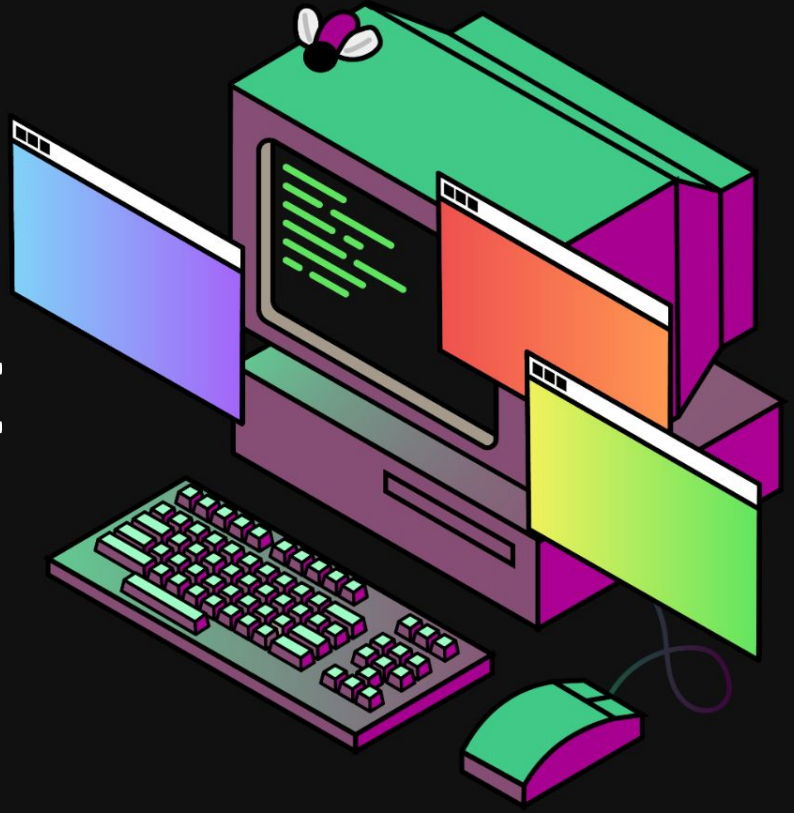
The Classic Center

This event is open to ALL UGA students and alumni!

- Meet with recruiters seeking students to fill both internship and full-time opportunities. Please dress professionally, bring your UGA I.D., and copies of your resume.
- Free shuttles will run from campus to the Classic Center between 11:30 am and 5:00 pm. Bus stops include Memorial Hall, Bio-Chemistry, Physics, across from the Main Library, and the Classic Center.

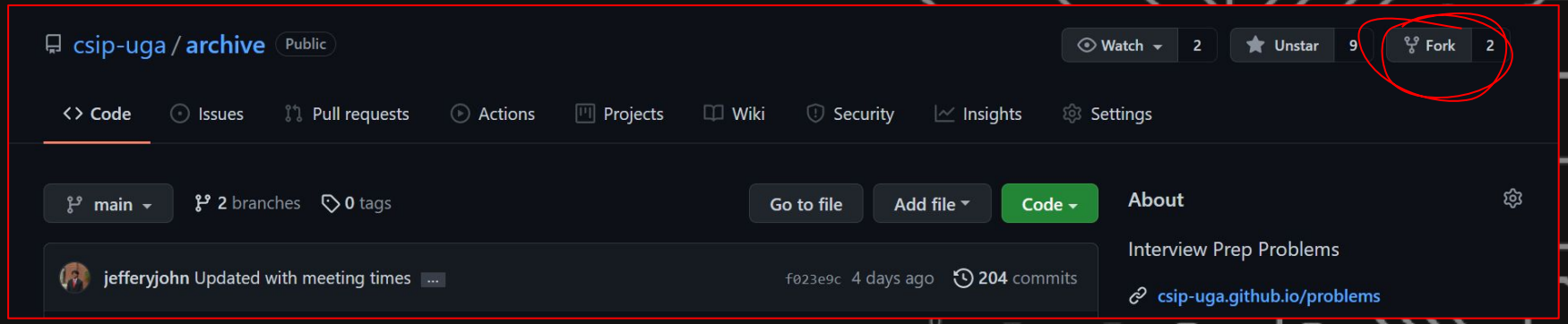
Mental health resources

Submitting a PR



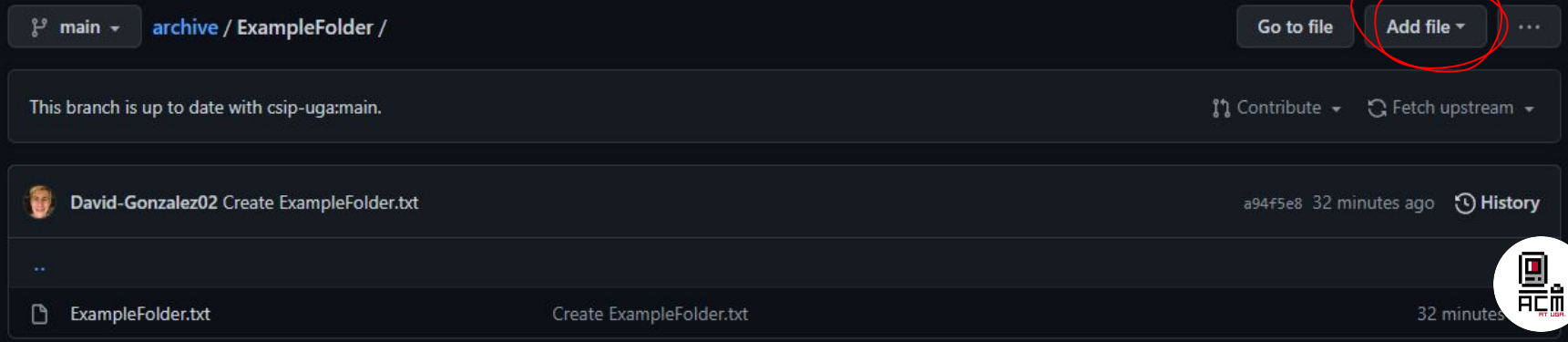
1. Navigate to the CSIP archive on Github.com

2. Fork the repository to make a copy of it.



3. On your fork, locate the folder you would like to add a file to.

4. Once in the folder, select add new file



5. Create and name the file

archive / ExampleFolder / David's_2SumSolution.jav: in main

Cancel changes

Edit new file | Preview | Spaces | 2 | No wrap

```
1  class Solution {
2      public int[] twoSum(int[] nums, int target) {
3          Map<Integer, Integer> map = new HashMap<Integer, Integer>();
4
5          for (int i = 0; i < nums.length; i++) {
6              int complement = target - nums[i];
7              if (map.containsKey(complement)) {
8                  return new int[]{map.get(complement),i};
9              }
10             map.put(nums[i], i);
11         }
12         return null;
13     }
14 }
```

6. Commit your file to a new branch, and start the pull request!

Commit new file

This is the name of the pull request

This is where you describe what your pull request does.

- Commit directly to the main branch.
- Create a **new branch** for this commit and start a pull request. Learn more about pull requests.

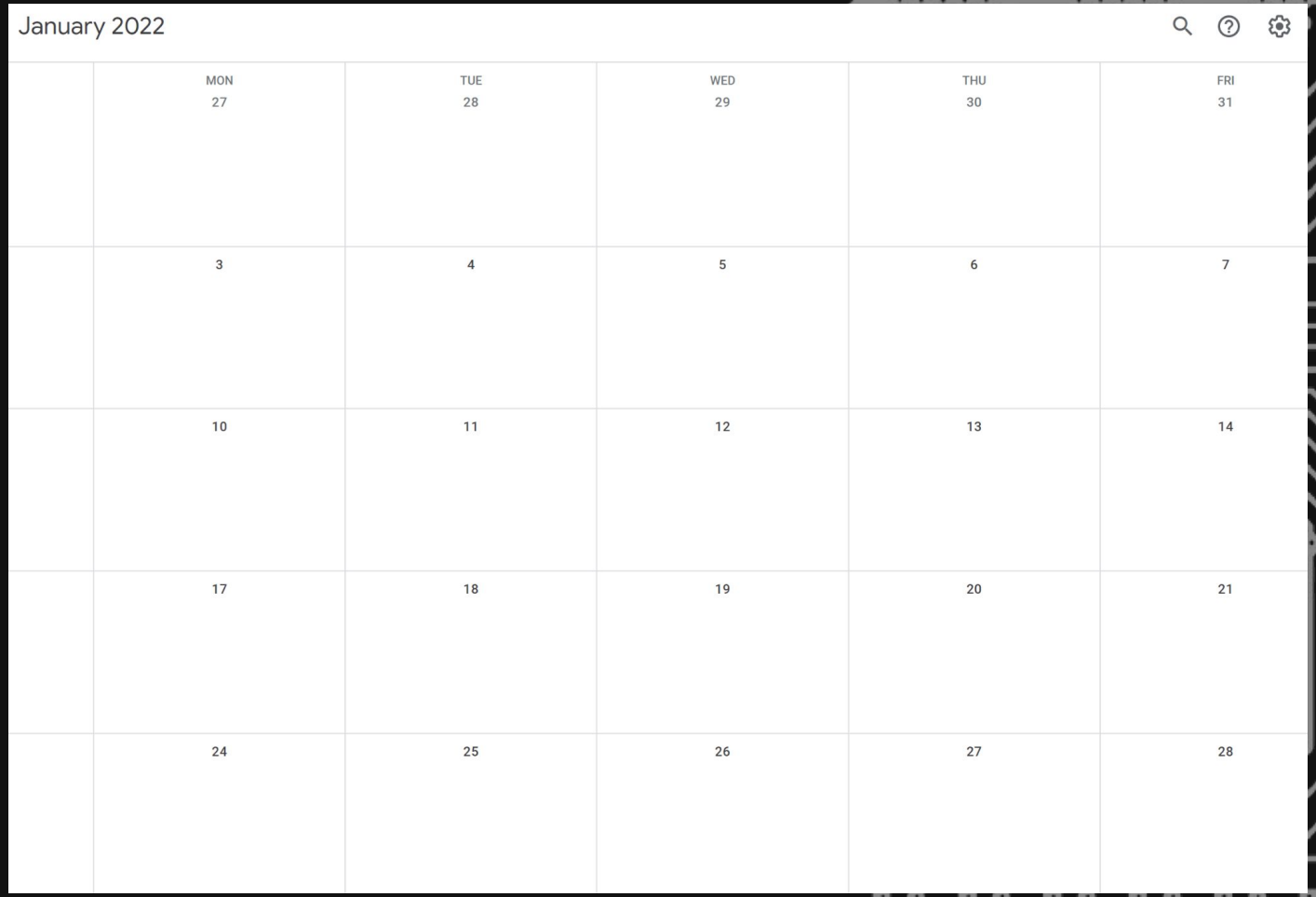
David-Gonzalez02-patch-1

Propose new file | Cancel

7. Officially create the pull request

8. Wait for the request to be approved and bask in your CSIP fame!

Future Sessions


January 2022
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Practice

21. Merge Two Sorted Lists

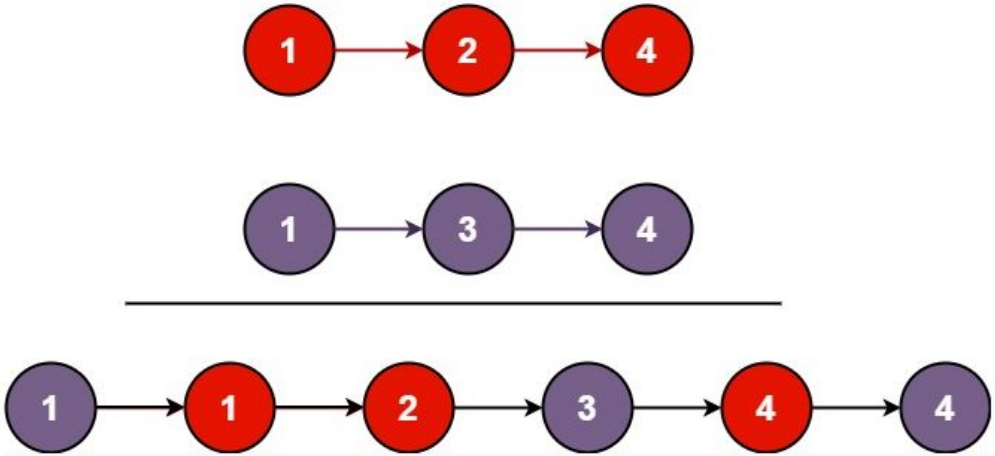
Easy 10151 970 Add to List Share

You are given the heads of two sorted linked lists `list1` and `list2`.

Merge the two lists in a one **sorted** list. The list should be made by splicing together the nodes of the first two lists.

Return *the head of the merged linked list.*

Example 1:




```
Input: list1 = [1,2,4], list2 = [1,3,4]
Output: [1,1,2,3,4,4]
```

Example 2:

```
Input: list1 = [], list2 = []
Output: []
```

344. Reverse String

Easy 3788 883 Add to List Share

Write a function that reverses a string. The input string is given as an array of characters `s`.

You must do this by modifying the input array in-place with `O(1)` extra memory.

Example 1:

```
Input: s = ["h","e","l","l","o"]
Output: ["o","l","l","e","h"]
```

https://a2e.wufoo.c

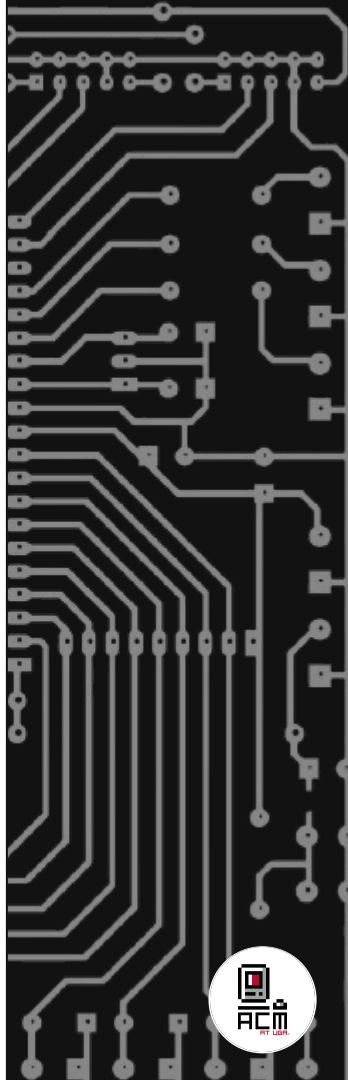
Example 2:

```
Input: s = ["H","a","n","n","a","h"]
Output: ["h","a","n","n","a","H"]
```

Constraints:

- `1 <= s.length <= 10^5`
- `s[i]` is a printable ascii character.

Accepted 1,366,848 | Submissions 1,862,252



Conclusion

- Find us on:
  - CS GroupMe
  - GitHub
  - LinkedIn
  - Instagram
  - Discord
  - Calendar
- Consider becoming a member!