

# ACM Fall 2021

## CSIP 12



# Introduction



# Welcome!







# Welcome to Association for Computing Machinery @ UGA

TOP THINGS TO DO HERE



**Join us for interview prep!**

#cspip

>



**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



			Siemens Tek Talk 5 – 6pm
Blockchain Club 6pm, Boyd Graduate	Computer Science 6pm, UGA Miller L	ACM + Girls.Code() GBM 6 – 7pm	
		Women in Tech G 6:30 – 7:30pm	
Amateur Radio Club 7pm, Physics Building			UGARC Net, 7:30pm



# MENTAL HEALTH RESOURCES

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# Upcoming Events





ACM + GIRLS.CODE() PRESENT

# QUESTION HEIRS

A Collaborative Meeting

November 17, 2021

Boyd 328 | 6PM

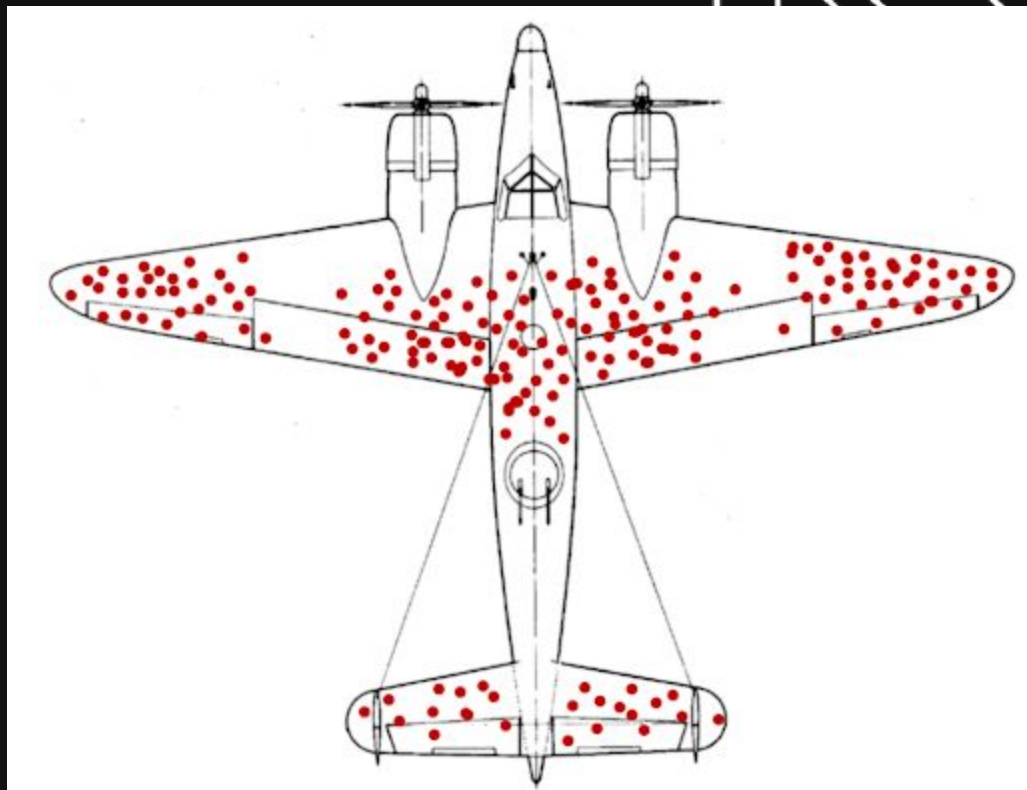
PIZZA AND GAMES!





# CSIP Progression





# Practice



## 53. Maximum Subarray

Easy



15923



748



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Share

Given an integer array `nums`, find the contiguous subarray (containing at least one number) which has the largest sum and return *its sum*.

A **subarray** is a **contiguous** part of an array.

### Example 1:

**Input:** `nums = [-2,1,-3,4,-1,2,1,-5,4]`

**Output:** 6

**Explanation:** `[4,-1,2,1]` has the largest sum = 6.

### Example 2:

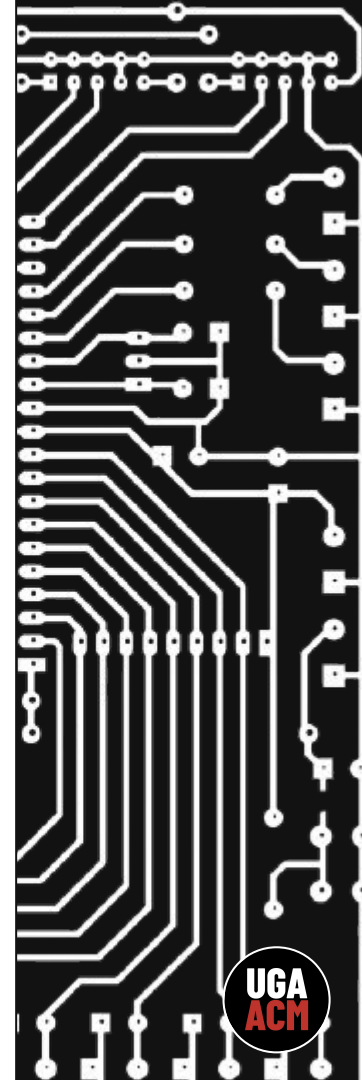
**Input:** `nums = [1]`

**Output:** 1

### Example 3:

**Input:** `nums = [5,4,-1,7,8]`

**Output:** 23



### 3. Longest Substring Without Repeating Characters

Medium

👍 18889

💬 863

❤️ Add to List

🔗 Share

Given a string `s`, find the length of the **longest substring** without repeating characters.

#### Example 1:

Input: `s = "abcabcbb"`

Output: 3

Explanation: The answer is "abc", with the length of 3.

#### Example 2:

Input: `s = "bbbbbb"`

Output: 1

Explanation: The answer is "b", with the length of 1.

#### Example 3:

Input: `s = "pwwkew"`

Output: 3

Explanation: The answer is "wke", with the length of 3.

Notice that the answer must be a substring, "pwke" is a subsequence and not a substring.

# Conclusion





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