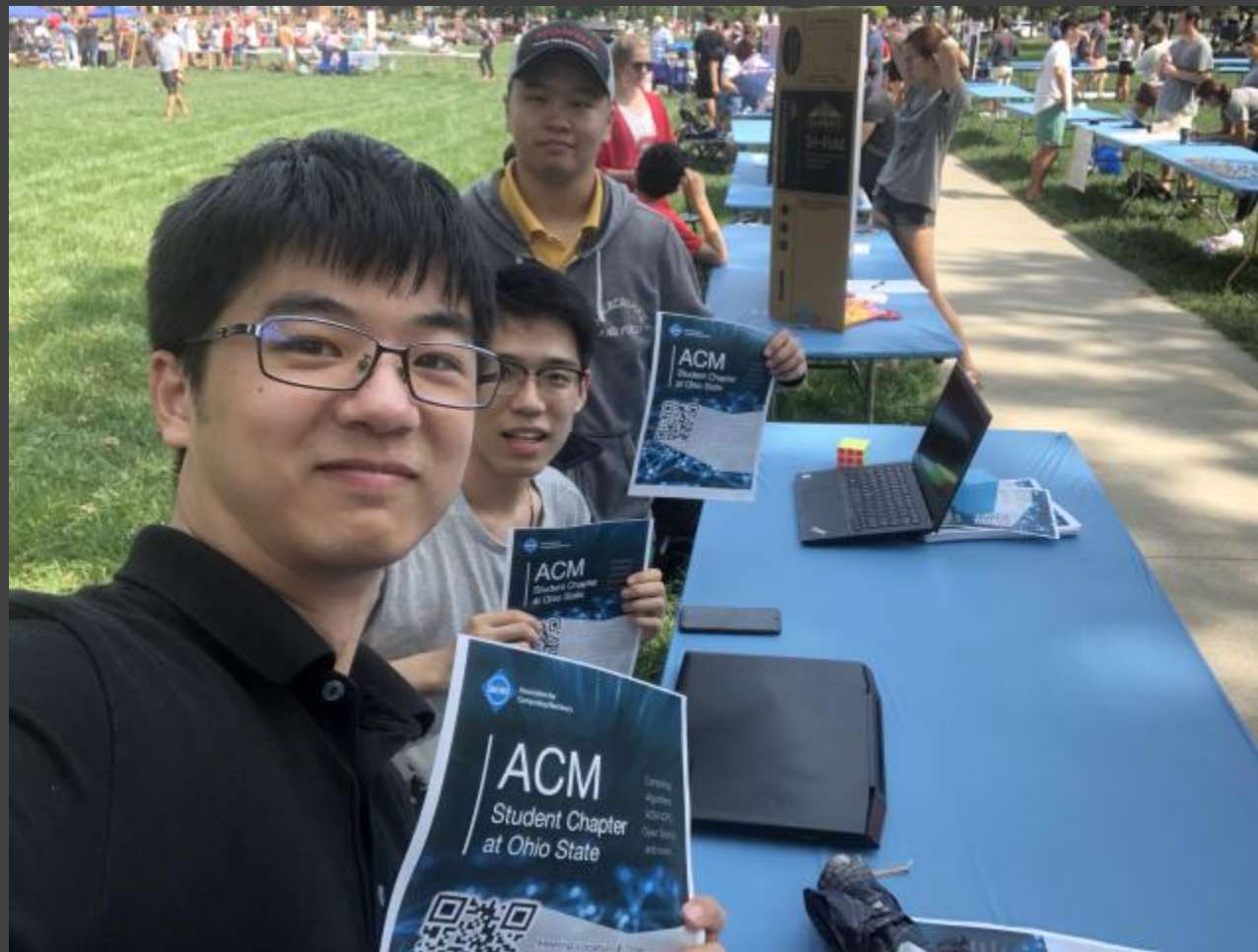


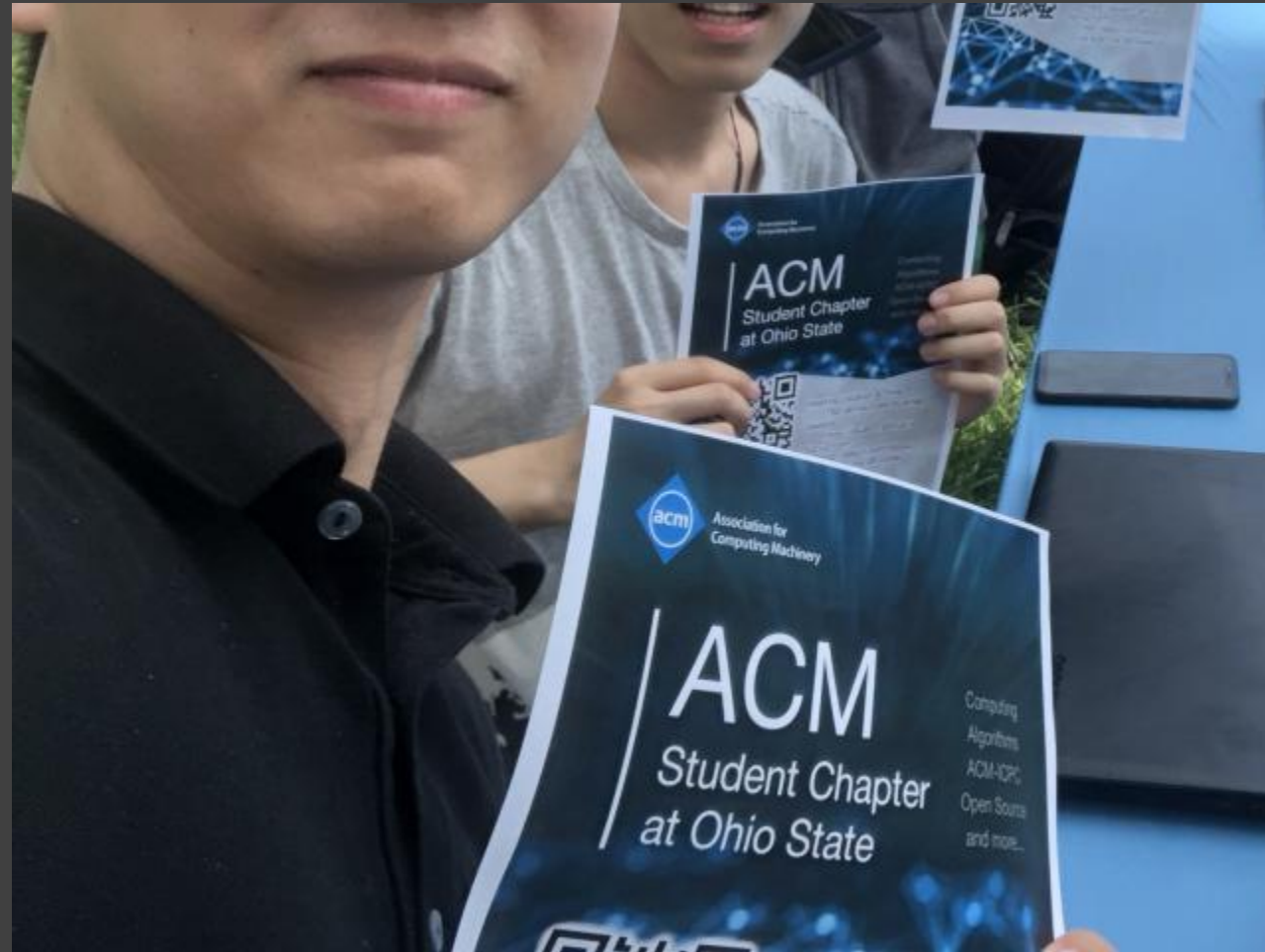
Hi all,

# ACM

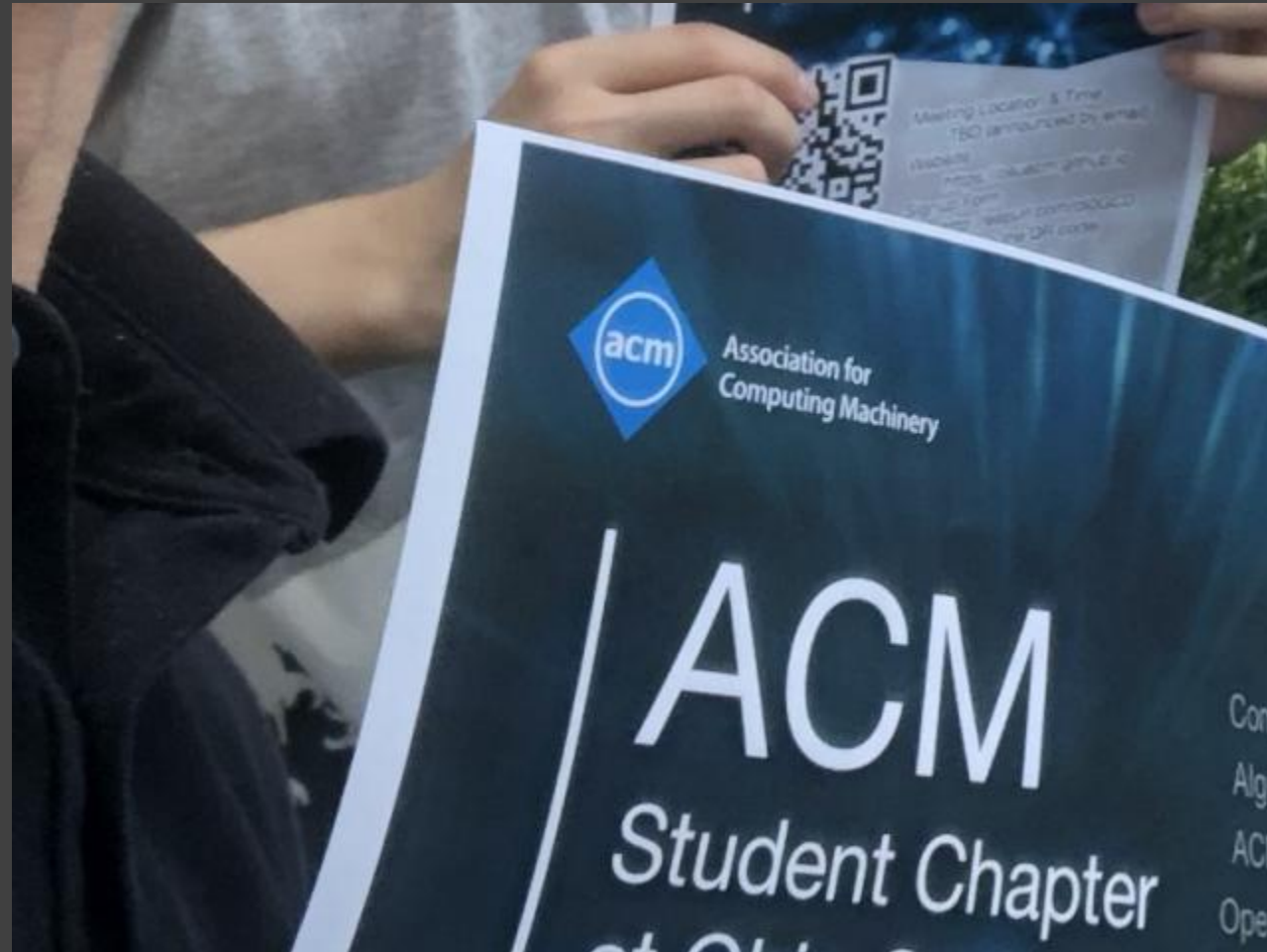
# ACM



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# ACM



Association for Computing Machinery

Founded 1947

Largest sci. & edu. computing society

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Conferences, publications, and ...

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Turing Awards

ACM-ICPC

International Collegiate  
Programming Contest

# ACM-ICPC

International Collegiate  
Programming Contest

Team of 3

5 hours

Typically 8-12 problems

Qualifier -> Regional -> World Final







★ B612 ★

[illegible]



# Not Just Programming

Discovering how computers work

Learning teamwork skills

Making friends

Have fun!



# Activities

Activities

Tech Lectures

Activities

Tech Lectures

Weekly Challenges

# And Also

Hackathons

Winter Coding Camp

Open source projects

Tech exhibition trips

...



# AU2018 Schedule

8/27 9/3 9/10 9/17

9/24 10/1 10/8 10/15

10/22 10/29 11/5 11/12

11/19 11/26 12/3

# AU2018 Dates

- ~10/1 ICPC team meeting
- 10/6 ICPC NA Qualifier
- 10/27-28 HackOHIO
- 11/9-10 ICPC ECNA Regional
- 12/3 Office election
- ~12/13 WCC team gathering



# Self Introduction

Name, major, year, ...?

What brings you to coding / CS?

What will you do on your computer  
if there is no Internet connection?

~~Do you use tabs or spaces for indentation?~~

# Weekly Challenge Workshop

Alex Li

# Weekly Challenge #0

Chenzhang Hu

## Complementary Colors

Given integer  $n$  and a list of  $n$  colors in RGB format (0-255 for each color), please find how many pairs of colors are complementary colors.

## Complementary Colors

Given integer  $n$  and a list of  $n$  colors in RGB format (0-255 for each color), please find how many pairs of colors are complementary colors. A pair of colors  $((R_1, G_1, B_1), (R_2, G_2, B_2))$  is complementary colors when  $R_1 = 255 - R_2$ ,  $G_1 = 255 - G_2$ ,  $B_1 = 255 - B_2$ .

## Sample Input

7

255	255	128
255	255	128
0	0	127
0	0	127
0	100	200
255	155	55
100	100	100

## Sample Output

5