

CS61A - AMAN

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**WELCOME!**



**WHO AM I?**



## AMAN SHAH

- ▶ From Edison, NJ
- ▶ Pronouns are he/him/his
- ▶ 6th semester Applied Math and CS Student
- ▶ Took 61A Spring '18, AI for 2 semesters, CSM Mentor for 3, TA 3 times previously
- ▶ Netflix Addict, former game addict, somehow always manages to do stupid things





# AGENDA

- ▶ Section Logistics
- ▶ Ice Breaker (sorry...)
- ▶ Activity: Lost on the Moon
- ▶ About CS61A (My Perspective)

# SECTION LOGISTICS

## HOW DISCUSSIONS WORK PT.1

### ▶ Goals:

- ▶ Review recent material
- ▶ Work on problems(individually and in groups)
- ▶ Make everyone comfortable / willing to ask questions
- ▶ Have you guys get to know each other

### **Discussion Times:**

W/F 7:30 - 9:00 PDT

### **Email:**

[amanshah2711@berkeley.edu](mailto:amanshah2711@berkeley.edu)

### **Office Hours:**

consult [oh.cs61a.org](http://oh.cs61a.org) for appointments

## HOW DISCUSSIONS WORK PT.2

- ▶ Structure
  - ▶ Mini-lecture
  - ▶ Selected Problems from Worksheet
- ▶ Comments
  - ▶ Ask questions, whenever!!!
  - ▶ I very much value all feedback!!!
  - ▶ Access slides from [links.cs61a.org/aman](https://links.cs61a.org/aman)

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## HOW DISCUSSIONS WORK PT.3

- ▶ Participation (~around 12 points total)
  - ▶ Need to 10 points / go to 10 disc. for full credit
  - ▶ Today does not count
  - ▶ [links.cs61a.org/aman-survey](https://links.cs61a.org/aman-survey)
  - ▶ Cameras are expected to be on for most people
- ▶ Contact
  - ▶ Always free to email
  - ▶ If you ever want to talk over zoom, email me to schedule

**Discussion Times:**  
W/F 7:30 - 9:00 PDT

**Email:**  
[amanshah2711@berkeley.edu](mailto:amanshah2711@berkeley.edu)

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## ICE BREAKER

1. We will break into groups of 4
2. Come up with something you all have in common
3. Being students of Zoom University or super easy things won't count

\* Highly encourage, especially for new students, share some contact info like email or fb so you have people to talk to about 61a

# ACTIVITY: LOST ON THE MOON

# WHAT NASA THINKS

Item	NASA's Reasoning	NASA's Rank
Box of matches	No oxygen to sustain flame, virtually worthless	15
Food concentrate	Efficient means of supplying energy requirements	4
50 feet of nylon rope	Useful in scaling cliffs, tying injured together	6
Parachute silk	Protection from sun's rays	8
Solar-powered portable heating unit	Not needed unless on dark side	13
Two .45 caliber pistols	Possible means of self-propulsion	11
One case of dehydrated milk	Bulkier duplication of food concentrate	12
Two 100-pound tanks of oxygen	Most pressing survival need	1
Stellar map (of the moon's constellations)	Primary means of navigation	3
Self-inflating life raft	CO <sub>2</sub> bottle in military raft may be used for propulsion	9
Magnetic compass	Magnetic field on moon is not polarized; worthless for navigation	14
5 gallons of water	Replacement for tremendous liquid loss on lighted side	2
Signal flares	Distress signal when mother ship is sighted	10
First-aid kit containing injection needles	Needles for vitamins, medicines, etc., will fit special aperture in NASA space suits	7
Solar-powered FM receiver-transmitter	For communication with mother ship; but FM requires line-of-sight transmission and short ranges	5

## HOW'D YOU DO

- ▶ 0-25, excellent
- ▶ 26-32, good
- ▶ 33-55, fair
- ▶ 56-70, oops
- ▶ 71-112, oh well



# ABOUT CS61A

## MY THOUGHTS ON THE COURSE

- ▶ More of a course in problem solving than in programming
- ▶ A lot of and super helpful
- ▶ Simultaneously a lot and not a lot of content
- ▶ ALL OF YOU CAN SUCCEED!

## MY RECOMMENDATIONS

- ▶ Start assignments early!
- ▶ There is no substitute for practice! Do practice exams and challenging problems (a little diff this summer)
- ▶ Avoid cramming at all costs
- ▶ Get help whenever you need it

Practice >>>>> discussion / hw / lab / projects >>>>> lecture

## RESOURCES

### Academic Resources:

- ▶ Me (Anytime you see me, via email, or appt.)
- ▶ Any course staff member
- ▶ Office hours(appts/parties)
- ▶ Tutoring Sections

### Mental Health Resources

#### Campus Resources

##### **Counseling and Psychological Services\*** **(510)642-9494**

CAPS supports the emotional, psychological, educational, social, and cultural development of all UC Berkeley students through a wide range of multiculturally based counseling, psychiatric, career, consultation, training, and educational services.

##### **After-Hours Assistance Line\*** **(855)817-5667**

Call for consultation with a counselor and provide as a crisis resource to students outside of CAPS business hours.

##### **Center for Support and Intervention** **(510)664-4218**

Consult regarding concerns about students experiencing and/or causing distress and for cross-departmental information sharing.

##### **PATH to Care Center\*** **(510)642-1988; 24/7 Care Line: (510)643-2005**

Call for affirming, empowering, and confidential support for those that have experienced gendered violence, including sexual harassment, dating and intimate partner violence, sexual assault, stalking, and sexual exploitation.

##### **Office for the Prevention of Harassment and Discrimination** **(510)643-7985**

OPHD takes reports alleging discrimination and harassment on the basis of categories including race, color, national origin, gender, age, and sexual orientation/identity, which includes allegations of sexual harassment and sexual violence.

<https://uhs.berkeley.edu/news/current-services>



**THANKS FOR COMING! FEEL  
FREE TO STAY AND ASK  
QUESTIONS**