CSE 421: Introduction to Algorithms

Course Overview

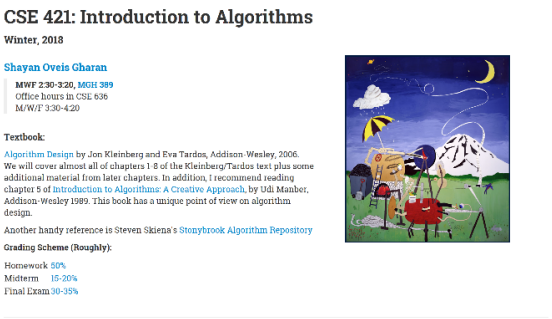
Shayan Oveis Gharan

Administrativia Stuffs

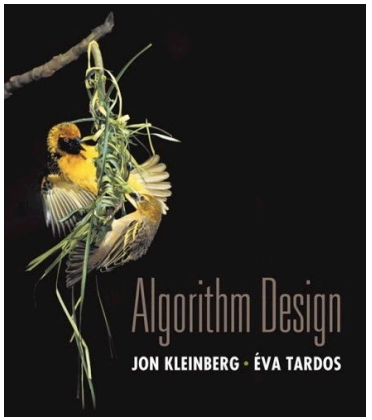
Lectures: M/W/F 1:30-2:20
Zoom Id: https://zoom.us/j/166376509

Office hours: M/W 2:30-3:20, T 4:30-5:20
https://washington.zoom.us/j/5948822807

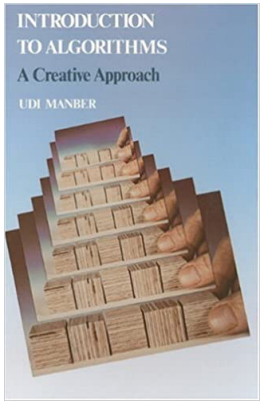
Discussion Board: Use Piazza
http://piazza.com/washington/spring2020/cse421



cs.washington.edu/421



Course textbook



Supplementary text

TAs

Anny Kong	Mon 11:30-12:20	7980928356
Andrey Ryabtsev	Mon 3:30-4:20	5690154666
Jason Shiyoji Waataja	Tue 10:00-10:50	4237094217
Liangyu Zhao	Tue 12:30-1:20	
Ansh Nagda	Tue 1:30-2:20	3246340598
Joy He	Tue 3:30-4:20	
Ivy Wang	Wed 9:30-10:30	2597803488
Siddharth Vaidyanathan	Wed 3:30-4:20	9225427905
Xihu Zhang	Wed 4:30-5:20	8563721386
Sally Dong	Thu 10:30-11:20	6744319699
Alex Fang	Thu 11:30-12:20	

Grading

- Weekly HWs, First HW due April 9th
- Submit to Canvas

- Midterm (05/04/2020), Final (06/08/2020)
  - Exams are open book, open note, no internet access
  - Midterm 60 minutes, Final 120 minutes.
  - Send out problems 00:00 (PST). Allocate a contiguous 60 (or 120) interval, answer questions. Upload your answers by 23:59 (PST).
- HW 50%, Midterm 15-20%, Final 30-35%

Practicing with Zoom!

- Everyone is muted by default!
- Feel free to share your video
- Questions: type your question in Chat
- Videos: Recorded and can be access in Canvas (zoom tab)
- Zoom Breakouts: Small groups to work on in-class exercises

An In-class Exercise (1)

Prove that for any $n \geq 1$, the set of integers $\{1, \ldots, n\}$ has exactly 2^n many subsets.

For example, $\{1,2\}$ has 4 subsets: $\emptyset, \{1\}, \{2\}, \{1,2\}$

An In-class Exercise (2)

Prove that every amount of postage of 12 cents or more can be formed using just 4-cents and 5-cents stamps.

For example 12=4+4+4.