CSE 193: Excitement, Concerns, and Getting into a Research Paper

Tuesday, Week 2

What are you excited for?

- Learning about Research in Computer Science as a career option!
- New research challenges, technologies and their applications
- Meeting new people and networking (peers and researchers)
- Work in Interdisciplinary fields (With CS) to solve real-world problems

What are your nervous about?

- Not confident enough / Introvert / Fear of public speaking / Self-doubt

- Working in groups with unknown people / Responsible for others as well / Commitment

- Not having Advance knowledge / Technical skills / Not understanding research jargon

- Time management

- Fear of the unknown

ERSP Panel of Past Participants

- Alejandro Rodriguez Pascual (ERSP 2020-2021)
- Brian Nguyen (ERSP 2019-2020)
- Lucy Lee (ERSP 2020-2021)
- Niha Bhaskar (ERSP 2019-2020)

(Possible) Panel questions

- Many students spoke of being excited for form relationships with their peers and their professors. Tell us about what relationships you developed during ERSP, and give any tips for how to make these relationships thrive.

- CSE193 isn't like a "normal" class, in that most of the learning is self-guided. What tips do you have on how participants can be successful with this independent learning?

- A common concern was about letting the group down/not keeping up. Did you have this concern when you started? When you look back, what do you think of this fear now?

- Many people's concerns indicate that they are worried they won't be good enough, won't learn enough, or ultimately will fail. What can you tell us that will help with this fear?

- Another thing people are worried about is the time commitment this program requires. Did you struggle with time-management? Why? How did you stay or get back on track?

Short Break

Reminders

- Assignment deadlines:
  - Pre-class assignments due before class
  - Logs (individual and group) should be updated by *Thursday night*
  - Tweets are due *Thursday night*
  - Research group meeting sheet must be updated by *Friday night*

Reminders

- Logs:
  - List your weekly (and daily) hours on both your individual and group logs
  - Reverse chronological order for days, weeks and terms
  - Include links to everything from your logs
- Vaidehi will leave feedback directly in our logs/in your Google doc assignments. You will see your grades on Canvas. Check the grading comments too.

Recording group meeting attendance

- This is the first week to record your group meeting attendance. Overview of Canvas assignment...

Your papers… what did you think?

Paper discussions [with suggested times, don't rush through!]

- What is the problem this work addresses? [5-10 minutes]
- At a high level, what is the paper's main contribution? How do you know? [5-10 minutes]
- What is the new idea/algorithm/approach? In other words, what is the solution, and how does it work? [30+ minutes] During this discussion, you should also discuss the following:
  - What are you still confused about? Can you help each other understand things better?
  - What specific technical challenges did the authors face that made their approach interesting/novel?
  - How does this approach build on what was done before?
  - What was most interesting to you about this approach/solution?

Coming up

- Assignment for Thursday:
    - Second pass on your paper
    - Topic decisions for teaching sessions
- In-class Thursday: Mini-presentations!