

Task for Precog Applicants

Choose any one paper of your liking from the ones given below,

- Fawkes: Protecting Privacy against Unauthorized Deep Learning Models ([link](#))
- You are who you know: inferring user profiles in online social networks ([link](#))
- Driving the Last Mile: Characterizing and Understanding Distracted Driving Posts on Social Networks ([link](#))

For the chosen paper, prepare a role play where you will be playing all the three roles described below.

- **Peer Reviewer:** Consider yourself as a person from the research community reading the paper and evaluating it. You might be reading it as part of a literature survey for your own research question. Now list out components from the paper that the authors did well along with things that they could have improved. You can also produce innovative ideas, find flaws in methodology, etc. Do not summarize the paper. Be constructive about your criticism.
- **Systems Designer:** In this role, you are a Systems Designer for a Non-Profit Social Organization or for an Industry Organization. Your task is to evaluate how to use the paper in a real-world system such that it has an impact on the society or company. You can access how the system can be useful, the userbase, issues, flaws, and problems that the organization/society will have to overcome, how it will contribute to further research and society. You can get creative and assess the system.
- **Hacker:** We all love coding and exploring data. This is exactly what this role is all about. In this role, you will be tasked with exploring the data/paper through code and analysis. This is a very open-ended role where you can implement a small portion of the paper or show some analysis by getting creative. If the paper you chose has an existing code repository, you are expected not to use it directly but to build on top of it. Do not focus on the data collection/annotation part of the code, you are allowed to use dummy data if necessary.

You will be asked to present your answers, including code during the interview. Please submit all files (your notes, slides) and code on or before the interview date, so we can have it ready for the interview. You can make a presentation which is recommended but not necessary during the interview. You are allowed to explore the paper as much as you want and get creative.