

EECE695D: Assignment#0

Due: 09.11.2022 (Sunday) 23:59PM

This assignment is actually a survey that will help me understand the technical level of the students—in terms of mathematics / deep learning / coding / et cetera—so that I could help myself prepare the lecture materials. Here are some rules for preparing your submission:

Rules

- Typeset the response using \LaTeX (write your name!). If you are not familiar, watch tutorials.
- Please be honest. The course materials will be prepared based on your response.

Question 1 (accessibility)

Do you have any color blindness or weakness?

- If yes, please describe your symptoms (e.g., red-green blind).

Question 2

Do you have any experience **submitting** a paper at an ML conference or related venues?

- (Optional) If you want a chance to present it in class (for bonus points), please write the title of your work.

Question 3

Do you have any experience **reviewing** a paper at an ML conference or related venues?

Question 4

Have you ever **run an experiment with GPUs** for a machine learning project? (Yes/No)

Question 5

Which of the following concepts are you familiar with?

- Gradient descent, Backpropagation, Layer normalization, GeLU, Multi-headed self-attention
- Central Limit Theorem, Kullback-Leibler divergence, Jensen's inequality
- bfloat (not a typo), GEMM, SIMD

Question 6 (Suggestions)

(Optional) If you have any specific topic or paper you want me to cover, please write any.