About TAs

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Prerequisites

The assignments of this course (CS5260 2023 Spring) are mainly based on PyTorch. We assume you have some basic knowledge of this powerful machine learning framework. For PyTorch tutorial, please refer to https://pytorch.org/tutorials/. To build a python environment with PyTorch, please refer to https://docs.python.org/3/library/venv.html.

We also recommend some awesome projects based on PyTorch:

- High performance computing; Parallel training:
  - https://github.com/hpcaitech/ColossalAI
- Computer Vision:
  - https://github.com/rwightman/pytorch-image-models
  - https://github.com/open-mmlab
- Natural Language Processing:
  - https://github.com/graykode/nlp-tutorial
  - https://github.com/huggingface/transformers

Assignments

- There are 6 assignments in total: Week 1, 3, 7, 8, 9, 11
- Each assignment is released on **Canvas** (Files -> assignments) on Friday (or earlier)
- Each assignment is due **at 23:59 on Friday of the next week**
- Each assignment has a main file giving all the intructions (by default it is "main.ipynb");

  Please strictly follow the instructions, otherwise a grade deduction will be conducted.
- We recommend Jupyter Notebook and PyCharm/VSCode for coding

Tutorials

- We have tutorials on weeks with assignments
- Tutorial is held right after the main course, usually for one hour
- Tutorial is about this week’s assignment, and also comments on the last assignment
- Time for offline Q&A
- Tutorial slides are released on **Canvas** (Files -> tutorials) along with the assignment.

Q & A

- We use Slack for discussion, socialization and Q & A.
- For any question, please do one of the following actions with priority:
  - Search for similar questions on Slack
  - Propose a new question on Slack
  - For non-public questions, e-mail to one of the TAs with the subject starting with "CS5260 2023 Spring"