

Live Lecture Chat Window Monday, March 28, 2022

Note:

Don't run *printinfo* on a machine that doesn't have a GPU, such as flip. It won't run.

14:32:57 From Jesse to Everyone: Will this be recorded and shared afterwards?

Yes, on the Resources page.

14:56:18 From Jacque Legorreta to Everyone: Zelda and Curie are adogable <3

They think so.

Question on how to set flip up:

15:16:42 From Kevin Sekuj to Everyone:

<https://youtu.be/py6Km38tJBc>

15:16:58 From Kevin Sekuj to Everyone:

thats the guide by greg healy

15:18:15 From Jacque Legorreta to Everyone: If our computer does not have a GPU, do we use the flip server to make use of a GPU?

No, flip has no GPUs. We do have another flip-ish machine called rabbit (rabbit.engr.oregonstate.edu) that I got just for the people in this class. It has a GPU. Ssh to it from flip.

15:18:47 From Beery, Aidan J to Everyone: To use the gpu nodes, you have to log in via submit-c.engr.oregonstate and then submit your job to one of the gpu nodes via slurm

That's what you will do to get final performance numbers. (We will cover this.) Do your GPU development and debugging on rabbit.

15:20:24 From yanezr to Everyone: Do you need a NVIDIA card to have a GPU?

The CUDA project will only run on NVIDIA hardware. The OpenCL project will run on Nvidia, AMD, or Intel graphics chip.

15:26:58 From David Cornett to Everyone: if we have WSL (windows subsystem for Linux), is it wise to develop there or should just use Windows Visual Studio?

Good question – I've never tried it. Someone try it and let me know!

15:27:44 From Jonathan Krol to Everyone: I tried checking if my Linux system supports OpenCL by grabbing the printinfo/printinfo.cl files, and I'm getting a seg fault after chmod'ing printinfo and running the script. any thoughts on why this might be happening?

Usually that means that your system does not have a GPU or that the OpenCL driver is not installed.

15:27:53 From Jesse to Everyone: In case anyone isn't already in it, here is the discord server for this quarter! <https://discord.gg/NDfMa4uT>

Nice.

**15:28:39 From Daniel Fontenot to Everyone:
my printinfo/printcl files just open and close the cmd window in second with no script output**

See if a file printinfo.out is in your local folder.

15:30:25 From Carl Fitzpatrick to Everyone: Is there a recommendation against taking this class before taking 344? If I have no introduction to C/C++ before, but am interested in this course

I believe you will be fine. We will give you whatever help you need.

15:37:33 From Beery, Aidan J to Everyone: Is the only difference for the 575 section the end-of-term paper report?

That's correct – and 475ers get a free 100 points for that assignment to keep the grade cutoffs the same.