Homework 0: Introductions

Thursday, August 22, 2018

CSE 597

XYZ ZYX. YZX

1 Syllabus Acknowledgement

By turning in this assignment, I, Yueze Tan, acknowledge that I have received and understand the course syllabus information available on `sites.psu.edu/psucse597fall2018`.

2 Introduction

My name is Yueze Tan. I am a second year PhD student in the Materials Sciences and Engineering (MatSE) department. My programming experience includes C/C++/Python/MATLAB and MPI/CUDA parallelization-methods. When I compute, I typically use ACI-B servers. My research is all/mostly/some/not computational in nature.

My area of interest is XYZ. Good general references in my field are **?** and **?**. Good computational references in my field are **?** and **?**.

2.1 Accounts

I have gotten an account on ACI using `https://ics.psu.edu/?page_id=57`. My ACI username is yut75.

I have gotten an account on XSEDE using `https://portal.xsede.org/my-xsede?p_p_id=58&p_p_lifecycle=0&p_p_state=maximized&p_p_mode=view&saveLastPath=0&_58_struts_action=%2Flogin%2Fcreate_account`. My username is XYZ.

I will be making my assignments available using Github. My username is sunnyssk.

2.2 My Course Project

I am currently thinking about choosing XYZ as my $Ax = b$ problem for the semester project. I believe that this will be a good project because

- reason A
- reason B
- reason ...

3 HW 0 Code and Writeup

You can get my assignment onto ACI using the command:

```
git clone USERID@aci-b.aci.ics.psu.edu:/storage/work/a/awl5173/toShare/cse597_fall2018/hw0/psu_cse597-0
```

* Note, test this with us in class or with another person who isn't in the same group(s) as you.

3.1 Program overview

This is a serial hello world program, written in C++. There is only one code file. The repository also contains the makefile for creating the executable, a readme, licensing information and the TeX file for the write-up.

3.2 Instructions for running and verifying the code

Creating the executable:

```
module load gcc/7.3.1
make
```

Running the program:

```
./awl5173_helloWorld.out
```

Expected output:

```
awl5173 says "Hello, World!"
```

3.3 Instructions for compiling the write-up

I used ACI to compile the document. You can do this using the command:

```
./pdfmake.sh
```

4 Acknowledgements

I would like to acknowledge Chris Blanton and Chuck Pavloski for helping formulate the homework material, and Justin Petucci and Rahim Charania for helping to make sure the permissions were set correctly for the git information.

References

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Kreyszig, E. *Advanced engineering mathematics*. John Wiley & Sons, 2010.

Wilcox, D. C. *Basic fluid mechanics*. DCW industries Flintridge, CA, 2000.

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