```
// Write pdf.cu on your laptop, starting from pdf0.c

// In a terminal, log in to Discovery & create a directory
aiichironakano@MacBook-Pro-34 ~ % ssh anakano@discovery.usc.edu
[anakano@discovery1 ~]$ cd cs596
[anakano@discovery1 ~]$ mkdir as06
[anakano@discovery1 cs596]$ cd as06

// In another terminal, transfer necessary files from laptop to discovery
aiichironakano@MacBook-Pro-34 csci596-as06 % sftp anakano@discovery.usc.edu
sftp> put pdf.cu
sftp> put pdf0.c
sftp> put pdf.sl
sftp> put pos.d

// In the first terminal (ssh), compile & run on Discovery
[anakano@discovery2 as06]$ module purge
[anakano@discovery2 as06]$ module load usc/8.3.0
[anakano@discovery2 as06]$ module load cuda
[anakano@discovery2 as06]$ nvcc -o pdf pdf.cu
[anakano@discovery2 as06]$ gcc -o pdf0 pdf0.c -lm
[anakano@discovery2 as06]$ sbatch pdf.sl
Submitted batch job 26473390

// In the second terminal (sftp), transfer the output files from Discovery to laptop
sftp> get pdf.out // Standard output that compares the runtimes of CPU & GPU programs
sftp> get pdf.d   // Pair distribution function to be plotted
sftp> exit
```