Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. **My *Goals* from last week**
   * Identify suitable parts for a new lab desktop
2. **My *Accomplishments* this week**
   * Two builds identified:
     1. Workstation build: <https://pcpartpicker.com/user/avmuh/saved/rsX6hM>

The processor is Xeon E5-2640

Pros:-

* + - 1. This allows for future increase in ram (up to 128)
      2. More cores

Cons:-

1. Single core performance slower
2. More expensive
   * 1. Desktop build: <https://pcpartpicker.com/user/avmuh/saved/kMvMpg>

The processor is i7- 7700K, Motherboard is Asus - MAXIMUS IX FORMULA ATX LGA1151

Pros:-

1. Latest i7, faster single core.
2. Cheaper

Cons:-

1. Less good at multithreading
2. 64 GB max ram.

The main (only) differences between the two would be the processor and motherboard.

1. **My *Goals* for next week**
   1. Meeting with Dr. Becker on <06.08.2017 and 2:00 pm>
2. **What I need Dr. Becker to do:**
   1. Finalize whether we are going with fast simulation and graphic desktop build or a workstation build. I think workstation would be the way to go for future upgrade. Either way since it is something we are putting together we have more flexibility on what we add later to it.