**Mid Term Report**

**Purpose:**

* Build a multi-purpose Raspberry Pi Cluster that serves as a webserver to deploy an educational website for the client for teaching, as well as a Virtual Private Network (VPN) server, to safely connect into the local network and the local network devices from anywhere in the world.
* Safely remote into servers for updates and maintenance using Virtual Network Computing (VNC).

**Plan for completion:**

**Completed:**

* Documentation of building a Raspberry Pi Cluster Web server and configuring a load balancer using HAProxy has been completed within the estimated time frame.

**Next:**

* From 3/5/2020 – 3/10/2020, Documentation of how to get and replace your server’s IP address with a specific domain name. (my website is benzanusa.com)
* From 3/11/2020 – 3/15/2020, Add contents to the empty web links connected to the home page. (Joshua Working on it)
* From 3/16/2020 – 3/22/2020, User Acceptance Testing will be done with Client (Dr. Xuguang Chen) and use the remaining days to make the product “Dr. Chen-acceptable”.
* From 3/23/2020 – 3/29/2020, Final Documentation summing up all the work we have done.
* From 3/30/2020 – 01/5/2020, Modify the presentation form last semester to add this semester’s work.