

bk96

During the second half of the Spring 2008 semester, I become much more involved in the MathCAD programming. I was assigned the task of updating Plant Elevation program along with Rachael Moxley. Rachael helped me through a lot of the "How Tos" of MathCAD. After that I worked on updating the program, commenting on and starting a small algorithm to calculate the length of the SED exit pipes.

I also keep up with my wiki organizing and editing. I formatted the final report page, the final algorithm page and composed the MathCAD How To page found [HERE](#).

During the first half of the semester I really enjoyed taking part in the outreach events and followed up with two more events this part of the semester. I presented the new demo plant for the Research Paper in Mann Library and gave tours of the lab for the perspective women engineers.

During the first half of Spring 2008 semester, I got my first taste of the AguaClara project. I am part of the hydraulic design team because I am most interested in the actual design process. Although I am limited because of my current less than proficient MathCAD skills(this is my first time using the program), I have been making great progress in learning.

Our team started out looking at John updates from the construction of the Tamara plant. After discussing some issues with Monroe and running numbers through our previously written programs, we responded to each question accordingly. This document can be found [HERE](#)

Along the MathCAD lines, I helped organize and rewrite the Pipe Design function , and I have been working on the overall Hydraulic Design Functions. Both of which can be found in the SourceForge repository under the hydraulic design program. Within my team I have been assigned to define variables, keep the programs organized and make sure the programs on SourceForge stay current.

This semester I have also taken the initiative within my group to become Wiki literate and therefore did the bulk of uploading and integrating the previously written Tamara Reports found [HERE](#).

Also within the context of the overall automated design team, I have played a big part in writing and formatting the overall midterm report found [HERE](#). I specifically wrote the assumptions section and three of the detailed algorithms found under the Hydraulic Design Function tab.

Finally I have made an effort to integrate myself into the overall team. A few weeks ago along with several other team members, I went to the Ithaca Youth Bureau to teach the children about our team, clean water and the demo plant. Below is a photo of me and one of the little girls at the Youth Bureau.



All other photos of this event can be found [HERE](#).

As the semester proceeds, the Hydraulic Design team with the Unit Processes team will be making great strides to having a functioning, integrated master program. I also hope to stay involved in the outreach programs, including Mayfest.

Below are all the pages that I started and maintain.

Content created by Anonymous

There are no pages at the moment.