

Veselin Georgiev

Veselin Georgiev, Southeast Missouri State, Computer Science, Robotics



Week 10-Wednesday

Posted on August 3, 2011 by georgiev

The reu is almost over, which is pretty hard to believe. Vlad and I have been working pretty late the last few nights, but I think something came of our efforts last night. We finally figured out how to set up the experiment and ran two trials, which should be enough. I haven't had time to analyze the data yet, but just from looking briefly, the results appear to be promising.

I shall now take a few sentences to reflect on the reu itself. In my opinion, this has been an excellent experience. I learned so much new stuff that listing it would be hard. Vlad, Shane, and Alex spent so much of their time helping to guide us and offered such excellent advice. We could not have asked for better mentors. All the other aspects of the reu were very well planned and the extracurricular activities were lots of fun. I would like to thank everyone involved in the planning of the events and organizing the reu. Especially Ted and Marie who spent so much time taking us to all sorts of fun places such as the obstacle course and paint balling. The instructors of the classes were also very helpful. I learned a lot about modeling and OpenGL from Ted and Nik. Nik spent a lot of time helping us and it was very nice of him to show us the technology he is working on, which is simply amazing. Todd and Ramy were good teammates and we got along very well. I think the only thing I really disliked about the reu was actually this blog. I am more of a private person, so I do not like to post stuff on the Internet. I think maybe the site could be set up to be accessed only internally, that would have been nice. Other than that, I really enjoyed the experience. We have done so much, I am sure I have forgotten to mention something, but I really had a great time.

Posted in <u>Robotics</u> | Comments Off

Week 9-Friday

Posted on July 29, 2011 by georgiev

Last night was pretty eventful. We ran the robot for a very long time and conducted a number of experiments. Some of the results were promising, so we have to tweak the algorithms a bit, decide exactly which studies we are going to do, and take a data set. Its going to be a little crazy in the next few days, but I think we will be able to pull it off. I also read the Gettysburg Address at the talent show last night. I really thought I had remembered much more than I actually did, but that's alright. Hopefully, we will make some more progress on the robot tonight and will be able to finish up the project successfully.

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Week 9-Thursday

Posted on July 28, 2011 by georgiev

Time is going by very fast. We are working on the paper as much as we can, and

hopefully we can get back on the robot today. Yesterday was pretty interesting. I really enjoyed going behind the scenes in the Science Center. The IMAX system was pretty amazing, and knowing the complexity and expense of the system really makes me appreciate the cost of the tickets more. I also enjoyed learning about how different people started their careers there. It seemed like they were all in random spots in their life and somehow ended up in the Science Center. It really makes you wonder how your life will turn out. We also received some very good information about applying to HCI today which will make applying quite a lot easier.

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Week 9-Tuesday

Posted on July 26, 2011 by georgiev

Today we participated in ISP's study. It was fun but also frustrating for me, as I felt that Mary was very demanding and did not understand the feasibility of her requests. Now we have to make some corrections to the paper that Vlad said we should make, and hopefully that will make it a lot better.

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Week 9-Monday

Posted on July 25, 2011 by georgiev

This weekend went by pretty fast. Saturday we went to play paintball, which was really fun. The only scary part was when my gun decided to go crazy and would not stop shooting for extended periods of time after I released the trigger. Other than that I had a great time. Sunday was just a work day, I added some results to our paper, which was pretty cool, but we still have lots of work to do. Today, we have been brainstorming ideas for the next step of the robotics experiment. We can discuss them with Vlad later on today and hopefully we can come up with a good experiment to finish up the project. These next two weeks will fly by pretty fast.

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Week 8-Friday

Posted on July 22, 2011 by georgiev

I cant believe its already Friday. We are quickly entering the last phase of the REU, and that is kind of scary. Last night I wrote some code that analyzes a bunch of data. Sadly, the code had a few bugs in it and the results were not right this morning. However, I think I figured out what was wrong, and we should have the right results in about 10 minutes. If the results look good, it will be very good for us, otherwise, we will have to come up with something else. Anyways, its almost data analysis time...

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Week 8-Thursday

Posted on July 21, 2011 by georgiev

Today we went to an etiquette luncheon. It was very interesting and I think I learned quite a lot. Hopefully I do not forget everything by the time I actually have to use these skills. Other than that, not too much has been going on, I am working on some code for the project and Ramy is working on the lit review so that we can make some progress on the paper. I am really hoping to be able to get this code finished by the end of today, but I guess we will see.

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Week 8-Wednesday-Written by the Robot

Posted on July 20, 2011 by georgiev

Posted in <u>Robotics</u> | <u>4 Comments</u>

Week 8-Tuesday

Posted on July 19, 2011 by georgiev

Last night we added some more graphical representations to help us see what the robot is actually doing. We now have lots of dots and lines of all different colors. It is really cool to see what the robot is thinking and then watch it perform that action. Now all we have to do is make the robot think properly and we will be done. Sounds easy, but only time will tell.

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Week 8-Monday

Posted on July 18, 2011 by georgiev

Today we started working on our paper. There is still quite a lot to do in the lab, but we can start on the paper and build up on it as we make more progress. We made lots of progress on Friday and Saturday and obtained what appear to be pretty good results. Although we are not quite finished, it appears that our methods work and our work will not be in vain. I think that if we can push the methods one step further, we will have a pretty awesome paper.

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