

Comp 163 Project:
Files due Thursday, December 11 by 11:59 P.M.
Presentation on Friday, December 12, between 11:15AM and 3:00PM
(w/pizza)

Choose ONE of the following TWO options:

1. IMPLEMENTATION PROJECT: Pick one or two algorithms from the computational geometry course or other algorithm/application with a geometric flavor to implement together with visualization.

- code the algorithm(s) or application so that it works correctly, runs easily on the Tufts CS machines, and produces visual output. (NOTE: for those coding in C/C++, it is possible to link to LEDA or CGAL to produce the output.)
- document it well both in the code itself and in a README file so that someone else can understand it and run it successfully on one of these machines
- learn something from your implementation and/or from your testing of it and explain in your README file what you learned
- submit both your README file and your source code using the following command:

provide comp163 project README foobar1 foobar2

(where foobar* represents your source code files, a makefile, or whatever files are necessary to compile and run your code on homework.cs.tufts.edu

- give a 7-9 minute oral presentation of your project as well as a demo of its performance on Friday, December 12.

2. THEORY PROJECT: Pick one or two research papers from the computational geometry literature or another topic of your choosing.

- gain a complete understanding of the paper(s) and of any open problems that remain – this which may require you to do related background reading as well.
- write a README file / paper.pdf that includes your references, what you learned, your interpretation of the results, and the open questions that remain.
- prepare slides with visualization to present the the gist of what you have learned to the class in the project presentations
- submit your README/paper.pdf and your slides using the following command:

provide comp163 project README foobar1 foobar2

(where foobar1 represents the filename for your paper and foobar2 represents the filename for your slides.

- give a 7-9 minute oral presentation of your project using your slides on Friday, December 12.