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CS 427
HW 1 Report

1. Output of ./hw1:

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jracosta@steelhead:~/427/HW1> ./hw1
Vector u = [1,2,3]
Vector v = [1,0,0]
Vector w = [0,1,0]
u + v = [2,2,3] should be: [2,2,3]
u - w = [1,1,3] should be: [1,1,3]
u * w = [0,2,0] should be: [0,2,0]
u * 0.5f = [0.5,1,1.5] should be: [0.5,1,1.5]
2.0f * ((v+w) / u) = [2,1,0]
v += w, v = [1,1,0] should be: [1,1,0]
v *= u, v = [1,2,0] should be: [1,2,0]
v /= u, v = [1,1,0] should be: [1,1,0]
v -= w, v = [1,0,0] should be: [1,0,0]
u.squared_length() = 14 should be: 14
v.dot(u) = 1
v.dot(w) = 0
w.dot(v) = 0
v.normalize() = [1,0,0] should be: [1,0,0]
u.normalize() = [0.267261,0.534522,0.801784]
v.cross(w) = [0,0,1] should be: [0,0,1]
u.cross(w) = [-3,0,1]
u.cross(u) = [0,0,0]
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2. Time required to finish the homework: 1.5 hours

3. No additional files or methods were implemented in this homework

4. No requested features were found to be incorrect