

CPR/SE 492 Bi-Weekly Report MAY 15-10 Weeks 7-8

Advisors: Ruchi Chaudhary

Client: Gordon Burleigh

Members (roles): Ben -- Team leader

Cole -- Team Key Concept Holder

Ian -- webmaster

Paul -- communication leader

Project Title: Gene Tree Improvement Tool / TreeFix

Bi-Weekly Summary

We spent the last two weeks testing the tree data that Ruchi supplied us. We are confident enough in our application now to send our code to our client. We have contacted Gordon about our progress and have sent him our program for him to test and give feedback.

Meeting notes:

2/24 Advisor Meeting

Duration: 15 mins **Members Present:** All

Purpose and Goals:

Meet with advisor to get tree data that covered different test scenarios (no duplicates, branch length, etc.)

Achievements:

We updated Ruchi with where we were with testing the algorithm. Answered a few quick questions that she had.

2/26 Group Meeting

Duration: 2 hrs **Members Present:** All

Purpose and Goals:

Test data that Ruchi supplied us

Achievements:

We tested our program with the data Ruchi supplied us, and ran the results through Ian's oracle. The oracle confirmed that all tests ran successfully.

3/3 Advisor Meeting

Duration: 10 mins **Members Present:** All

Purpose and Goals:

Meet with advisor to update where we are.

Achievements:

We updated Ruchi on the progress of testing the data she gave to us last week

3/5 Group Meeting

Duration: 40 mins **Members Present:** All

Purpose and Goals:

Discussed things necessary to finish before getting the code to our client, Gordon, in order to have client testing.

Achievements:

We were able to decide what test cases we should run and verify before giving to our client to test the RF cost method.

Pending issues

1. Contact Gordon again for test cases and input into our program

Plans for next week

Paul - Start working on Final report and presentation with George

Cole - Work on Final report and presentation.

Ben - Continue sections of Final Report and begin presentation outline for meeting with George

Ian - Start working on final presentation/report.

Individual Contributions

Ben Streit -Started Final Report and attempted to contact Gordon

Cole Poffenberger - Modified and profiled TreeFix with MulRF. Determined that our algorithm's runtime is acceptable.

Ian Ray - Continue running Ruchi's data sets and testing against oracle. Ran the oracle over 75,000+ Tree outputs, zero failures. At this point, 99.99% certain TreeFix is running properly.

Paul Leichty - attended all meetings, filled out report, and started working on Final Reoprt.