CTY SUMMER PROGRAM FINAL EVALUATION

Student: Alec D. Rutledge Date: July 8, 2016

Course: Fundamentals of Computer Science Instructor: Chris Allulis

Site: Carlisle, PA Teaching Assistant: Arnoldas Kurbanovas

Overall Performance

Congratulations, Alec, on completing CTY’s Fundamentals of Computer Science. Over the past three weeks, you learned that Computer Science is not just about programming. We covered a wide range of topics including graph theory, algorithm design, data structures, digital logic, computer architecture, programming languages, operating systems, computer networking, graphics, and stabilization in distributed systems. Please see the enclosed course description for more detailed information on the course.

Content Proficiency

Your work in this course was adequate. You provided a thorough and correct definition for a directed and weighted graph. Generally, your work was done well. On your homework, you worked through many different topics. Overall, your test and quiz scores showed an excellent understanding of the materials presented in class. Despite your generally good efforts, you seemed to struggle with some of the more difficult programming challenges. You were reluctant to ask for assistance at time. In the future, I encourage you to seek assistance when stuck on a difficult problem.

Reasoning and Problem Solving

Computer Science is ultimately about solving a problem. You showed that you are entirely capable of solving complex problems and abstracting the solution to a computing system. Through the laboratory simulations, you demonstrated a solid understanding of the topics. In the lab, you implemented what you learned about number systems, sorting, algorithm analysis, and complex circuitry design with logic gates. Your best work included a mad-lib maker, a calculator, and a password generator. You also designed a “Rock-Paper-Scissors” game that demonstrated your analytical abilities.

Collaboration and Participation

The ability to work in a team-oriented environment is a highly valued skill in the software industry. Problem-solving is rarely completed through the efforts of one person. You collaborated fantastically with your group practicing the bubble sort algorithm and the insertion sort algorithm. You clearly demonstrated your ability to work through difficult and abstract problems. Your work with three other students on a slight inversion of Vigniere cipher was fantastic, and the presentation was highly engaging. Frequently, I saw you collaborating with other students around you to complete the more challenging problems. I encourage you to continue to work in teams to come to a better understanding of problems.

Suggestions and Recommendations

Ashley, it was a pleasure having you in the course. Shane and I both wish you the best of luck in all future endeavors.

Instructor’s Signature: