

Computer Science Assessment Report 2020

September 13, 2021

Introduction

The computer science department finally converging to it's finished form. All courses have been taught multiple times and everything is running smoothly. Because of this, our assessment reports will be more consistent and coherent moving forward. There were no plans to the assessment plan this year.

Program Assessment Meetings

There was no meeting this year. Since I run all the CS stuff by myself, I prepared the assessment plan myself as well. I will continue to do this in the future.

Examination of Data Collected This Year

This year we are assessing Goal 2: Design Expertise. Our data is drawn from both the two graduation senior CS majors last year and the two students in the Database Systems class, all of whom completed projects. The seniors did their senior thesis, while the databases students programmed a closed system that modeled a predator prey relationship, automated a data collection process, and then analyzed the resulting data. Three of the four students did excellent work (grade level of 95% or above), while the fourth one was only ok (grade level somewhere in the 70% range). It is also worth noting that one of our graduating seniors got a high-level programming job right after his graduation from Wells. While this is not a direct measure of design expertise, the student did have to pass a technical interview that demanded on-the-spot program design to solve a given problem.

Closing The Loop

Overall, there probably weren't enough data points to draw any general conclusions, but I am pleased with the level of design expertise displayed by our CS majors this year. I am eager to see if this level of achievement holds up in the future.

Program Changes for Next Year

None this year. Although I will be keeping a careful eye on things to verify that the program continues to work the way it's supposed to.