

Name: Daniel Sinderson

Please fill out this form, save it as a PDF, and upload it to Moodle.

My goals for this week were to:

Read through the first chapter of *Category Theory in Context*, TeX up my notes, and write the bibliographic entry for *The Joy of Abstraction*.

I made the following progress on these:

I finished all of my goals for this week. I also wrote bibliographic entries for *Category Theory in Context* and *An Invitation to Applied Category Theory* based on my first impressions.

I have the following questions and concerns I want to discuss with my capstone advisor:

I want to discuss some issues of scope around what concepts should and shouldn't be included in the paper, especially if I extend the project into applications. I also want to see if my advisor can clear up some confusion I have around the equivalence of categories.

Some tentative goals for the coming week are:

Work through the second chapter of *Category Theory in Context*, and write up a rough summary for representable functors, the Yoneda embedding, and universal properties.