

## CSC 345-01 Project #2: Multithreaded Programming

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**Section:** 01 w/ Dr. Yoon

We evenly distributed the work between one another and even met up to work on the project and to discuss our schedules, planning for the project, and who would work on what while keeping each other informed and in the loop as far as content-wise and implementation-wise.

Commits on Mar 14, 2025	<div>code sanitization pt.1 riveraE4 committed 1 hour ago 1f2fc2f</div> <div>final prep riveraE4 committed 1 hour ago 4d38613</div> <div>prep for final submission riveraE4 committed 1 hour ago 424c31a</div>
Commits on Mar 12, 2025	<div>simple test to pull results Toalac1 committed 2 days ago 4e2483a</div>
Commits on Mar 11, 2025	<div>removed excess files and fixed the bash issue Toalac1 committed 2 days ago bb9b6eb</div> <div>Fixed the issue with the bash and addressing the issue with main.c Toalac1 committed 2 days ago 22a0e07</div>
Commits on Mar 10, 2025	<div>bash script needs to be tweaked and fixed further more, timing still needs to be fixed, comment more of the code, then we can start documenting (reports and what not) hopefully submit by tomorrow n... riveraE4 committed 3 days ago 38eee9c</div> <div>method 2 fixes, timing added to the output, method 3 added (parent/child process utilizing shm_open similar to lab2) riveraE4 committed 3 days ago 5509b84</div>
Commits on Mar 9, 2025	<div>Added option 2 Toalac1 committed 4 days ago 6f5661b</div> <div>Made first edition of the non threaded way of solving. ran a few tests for solving and seems alr Toalac1 committed 4 days ago 9596a02</div>
Commits on Mar 8, 2025	<div>instead of normal reading and output, outputs into a 2d array to set up for validity checking of row, column, square, and entire sudoko, will implement checking features next riveraE4 committed 5 days ago ba7ffab</div> <div>file open, reading, and output riveraE4 committed 5 days ago a227abc</div>
Commits on Mar 4, 2025	<div>struct added and worker threads created 4a6eb0b</div>

01:39



153



Chris Sebastian >

Saturday 18:28

I implemented the reading and outputting of the files as well as putting it into 2d array, still need to add the checking of rows, columns and the squares within to check if it is a solution or not

18:28

i was thinking since there are 3 methods we need to implement as well as doing 3 statistical experiments we divvy up the work between the both of us evenly just so we both know

I can do the 1st and 2nd method right now and hopefully get it done by tonight if not tomorrow morning

18:29

but if you'd like to tackle method 3 and figure out how we can conduct the statistical experiments that'd be good

18:29

Sunday 12:27

I'll be sure to work on it today  
Thank you!

12:27

Sunday 14:29

01:38



153



Chris Sebastian >

Absolutely I'm pretty free this week, def great to get it done early



23:29



sounds good, we'll set up then

23:29

Tue, Mar 4 at 15:36

i'm in the stem lab so whenever you're ready/free just come to this side and we'll set up

15:36

Cool was walking over now

15:36

cool

15:38

Saturday 13:43

i'm gonna get some of the project stuff done today, i'll let you know exactly what i implement and what not and we can assign different tasks to each other so we have an equal amount of commits on git

13:43

Sounds great thank you

13:45

01:39



153



Chris Sebastian >

Sunday 16:39

A solver was made just using a single thread. I am going to continue to try out a multi thread method

16:39

i'll work on whatever is left of the multi thread method and 3rd method tonight i suppose

17:11

Already did the multi thread v 1 just need to test

17:12

Ok should we make like a list we can check off?

17:12

We could go off the prog requirements  
So 1 and 2 are done

17:13

Ok sweet

17:13

Are you working in this rn? I was gonna wait an hour before pushing changes. Its a lot of code no way I wrote out in 30 minutes without errors needs checking

17:14

Edited