**Personal Projects: Daily Documentation Log**

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| **Name: Thomas Lombardi** |  | **Date: 5/22** |
| **Personal Project: Three Js - Jenga** | | |
| **Repository Link:** <https://github.com/bppwd2020-Lombardi/threejspersonproject> | | |
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| **Goals for Today** Please fill this out before you start! The goal is to try to plan approximately one days with or work to get a better idea on time planning, which is part of our frameworks! | **Did you Complete your goal?** | **Issues you Encountered**  It is expected that not everything goes as planned! Please outline any problems issues you encountered as well as a brief update on what you did to overcome the issue/problem. |
| gravity | Yes No | There isn’t a very good tutorial on the Three.js website so I had to find some YouTube video that didn’t really help |
| adding my own jenga block | Yes No | The sides of the piece were hard to find. At first I took a picture of a piece but my friend found a good looking one online and cropped it for me |
| Removing lighting | Yes No | The lighting didn’t really help, it added a rainbow effect to all the shapes. Removed it because it wasn’t very good |
| adding a “ground” so the pieces don’t clip | Yes No | I add a table but having it now have the pieces clip through it was hard. I had to add a property to it to make it stay still using some Physijs thing |
| making and algorithm that places each jenga piece in the right place | Yes No | I wrote it out on a white board and came to a the conclusion that it was a 3d array. That hard part was turning the pieces using radians. I also had to offset the pieces so they weren’t siting on top of each other. |

This project really challenged me and made me use all the concepts I learned throughout the years with the 3D arrays to Hex colors. If you want to see this project you can either download it or send me an email and I can send you a video to what I did.

Thank you for being such an amazing teacher and your teaching is what go me into UMass Amherst.

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Sincerely, Thomas Lombardi