**Project Description**

**Summary of the idea/ Abstract:**

**I am planning to write a program that computes the Catalan number sequence.**

**Tools (List the elements you are planning to use in the project and the programming platforms): N/A for me. I am planning to use Linux.**

**Approach (list the goals you would like to accomplish in this project, and the respective implementation steps to achieve the stated goals):**

**First step: Allocate memory on the host**

**Second step: Allocate memory on the device**

**Third Step: Launch the threads onto the GPU**

**Figure (Provide a rough sketch or description of how the proposed project interface would look like):**

**N/A for me. I am planning to convert a C program to a GPU program. Convert a multi-threaded program using the GPU instead of the CPU.**