This summer, I worked in collaboration with UCSD on a summer grant to further research on neuronal dendrite spines of rat species with Fragile X syndrome. My position was to supervise and mentor two hearing-impaired students in a lab at the Center of Imaging Science in addition to doing research for the grant. The two students I supervised, Eric Cochran and Steve Tang, adapted similar methods that I used with Lisa Fong and Russ Frisby last summer. Along with Lisa, I demonstrated to the students how to perform topology checking and surface repair, landmarking surfaces, and registering the surfaces. With the information the students learned from Lisa and I, they were also able to develop better, more improved methods to allow quicker, more accurate research. One example of a better method developed was an automated surface converter I created with Steve Tang, allowing whole directories of *.synu format surfaces to convert to readable *.byu format surfaces that could be used in BrainWorks.