As a small exercise in FEA I built and iterated a couch clip. The Clip is used to hold two sections of the couch together and is put under large loads, due to the leverage of the coach.

There were several iterations of the couch clip. The design started as a L bracket and then when updated with the circular bend to allow for more give before fracture. Finally, the grind end was outfitted to also have a radius. This radius helps keep the force only in x-axis.