

## Stine Report

For our Stine funding we have made a plastic shredder for 3D prints so we can recycle it back into usable filament for our 3D printers on campus. For this project we spent most of the first semester researching what parts and materials we needed to make our project. Once we got our list we then applied for funding and thankfully got the funds needed. Then once we got our parts, we then spent the better half of the second semester putting together the shredder box below. Then during the summer we allowed one of the members to take it to where they work so they could assemble the rest of the machine. Below is Keaton grinding out some bolt holes for the base and having one of his coworkers help him weld the pulley together. The next picture after the welding is a test run with the motor and shredder box on the base. After it was on the base, we then decided to make some guards for safety purposes and the yellow and blue machine is the final product. Then the white bucket has our shredded plastic.

Overall, this project has allowed a few students to develop and use skills not commonly found in the classroom like making a list of materials and assembling or building a structure. This will help us by building our resumes but also developing our knowledge on things outside our major mainly because most of the people working on this project are computer science majors and have had little experience working on a project of this nature.

This is the preferred picture below. The other pictures are on the second page.



