JENNY WONG-WELCH, SDSU LIBRARY

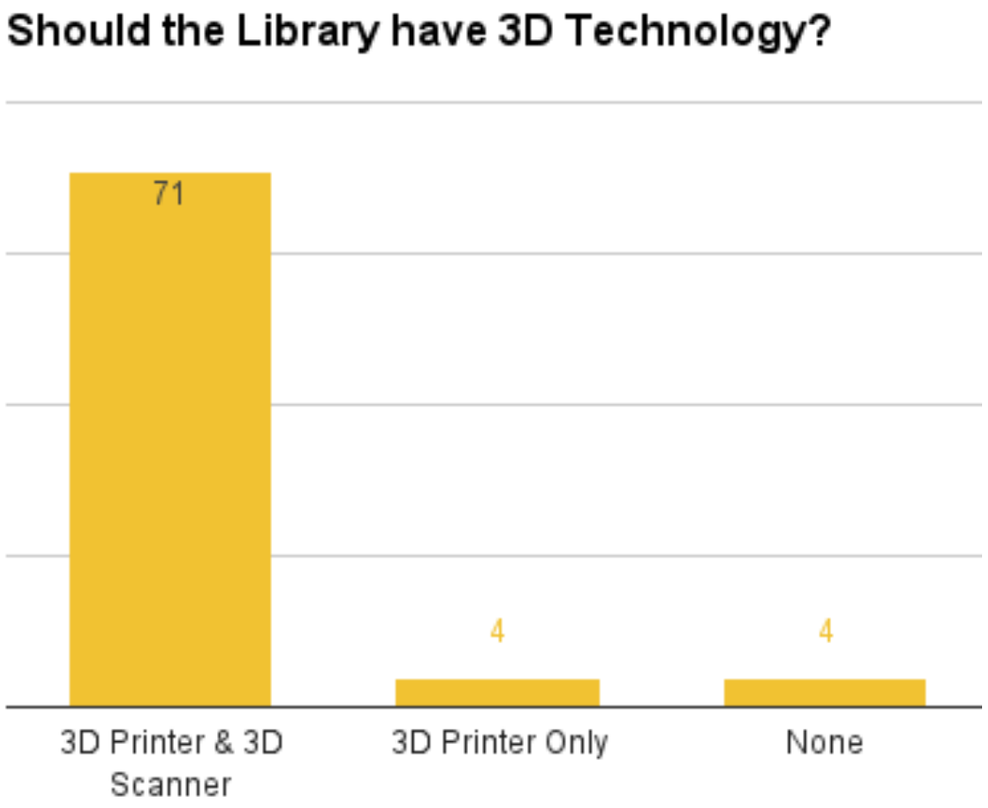
BUILD IT FOR ALL

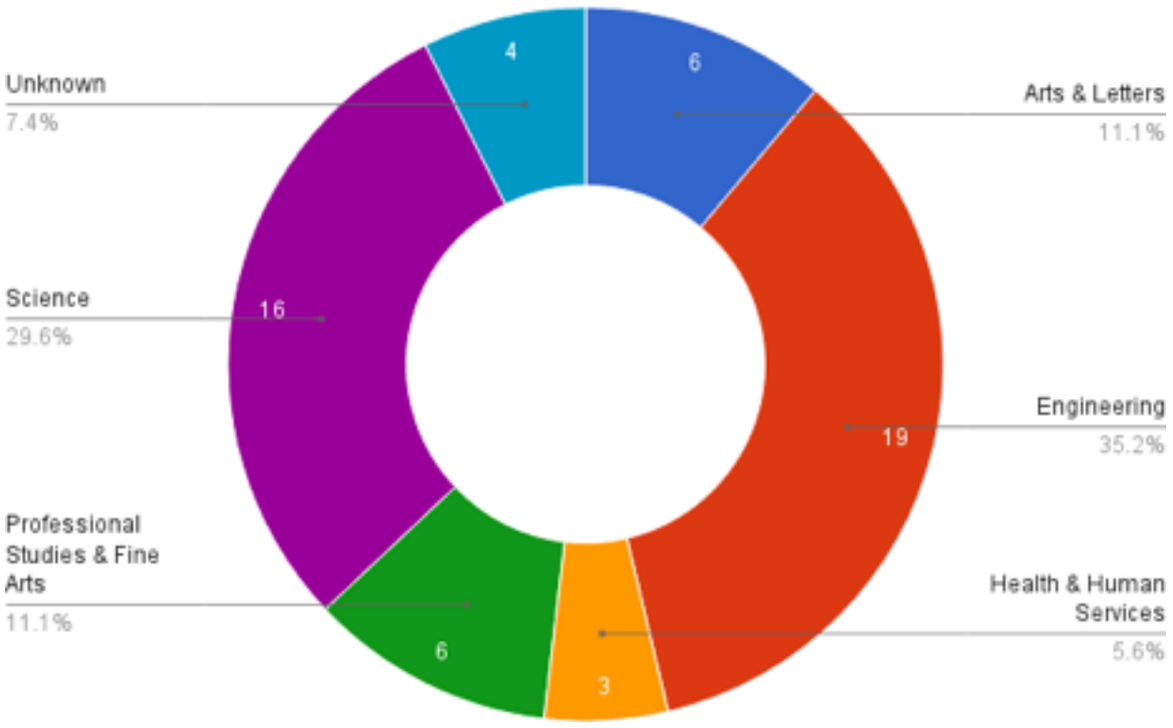
MAKING ME

- STEM Librarian
  - Mathematics
  - Engineering Library

FROM THE BEGINNING

POP UP 3D PRINTING WORKSHOP





SO WE HAVE A 3D PRINTER, NOW WHAT?

Library Administration

CREATING A 3D PRINTING SERVICE

3D PRINTING IS GREAT! BUT I WANT IT TO BE MORE.

Jenny Wong-Welch

buildIT
MAKERSPACE
LL260
MORE INFO @ Buildit.sdsu.edu
3D PRINTING
260
OPEN

EXIT

SAN DIEGO STATE UNIVERSITY
Zahn Innovation Center

TEXT

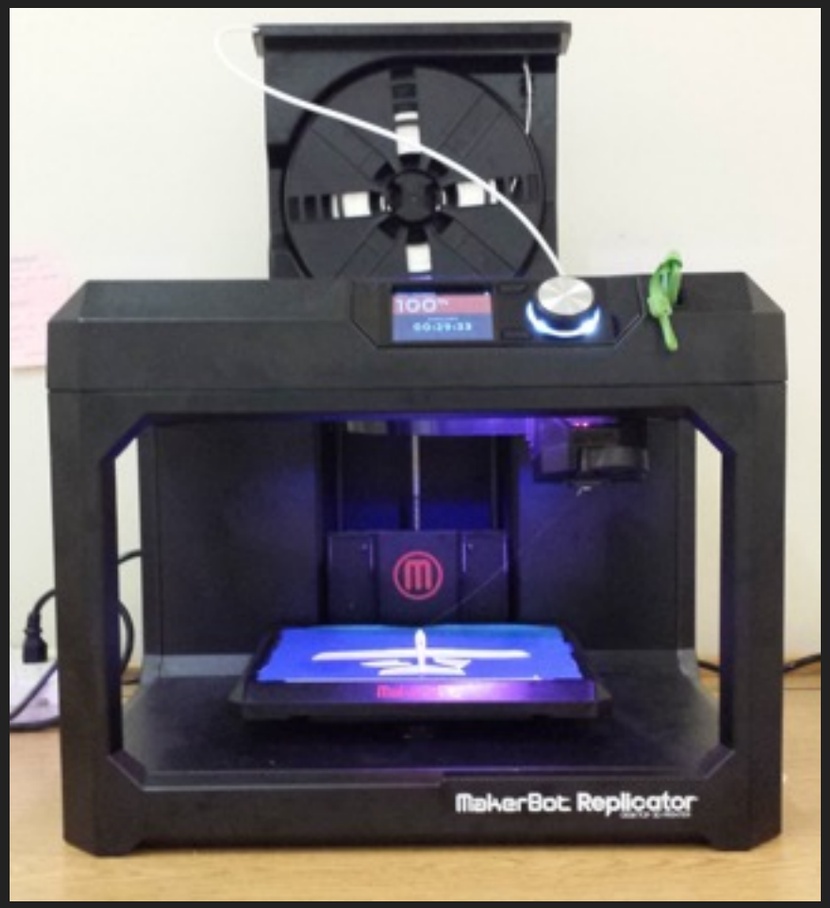
"... A MINI MAKERSPACE DESIGNED TO FOSTER CREATIVITY AND INNOVATION BY PROVIDING AN INFRASTRUCTURE FOR STUDENT-MOTIVATED DIY LEARNING OF TECHNOLOGY TO TRANSFORM IDEAS INTO AWESOME PRODUCTS."

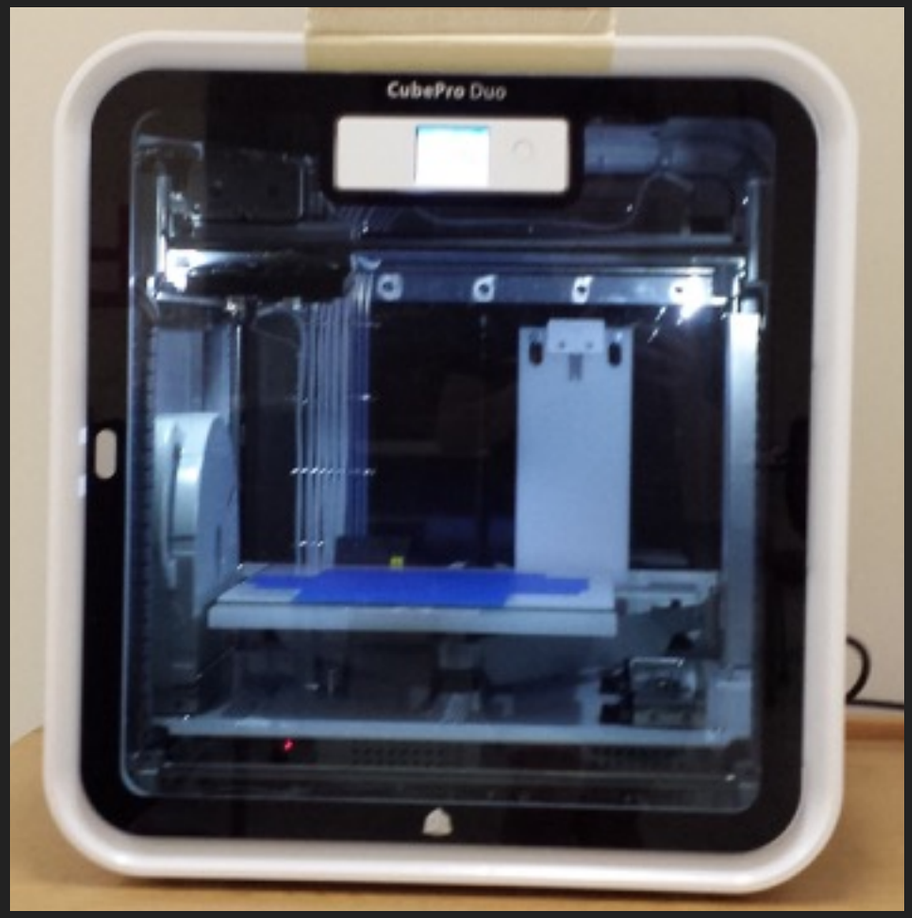
buildIT
@SDSU LIBRARY

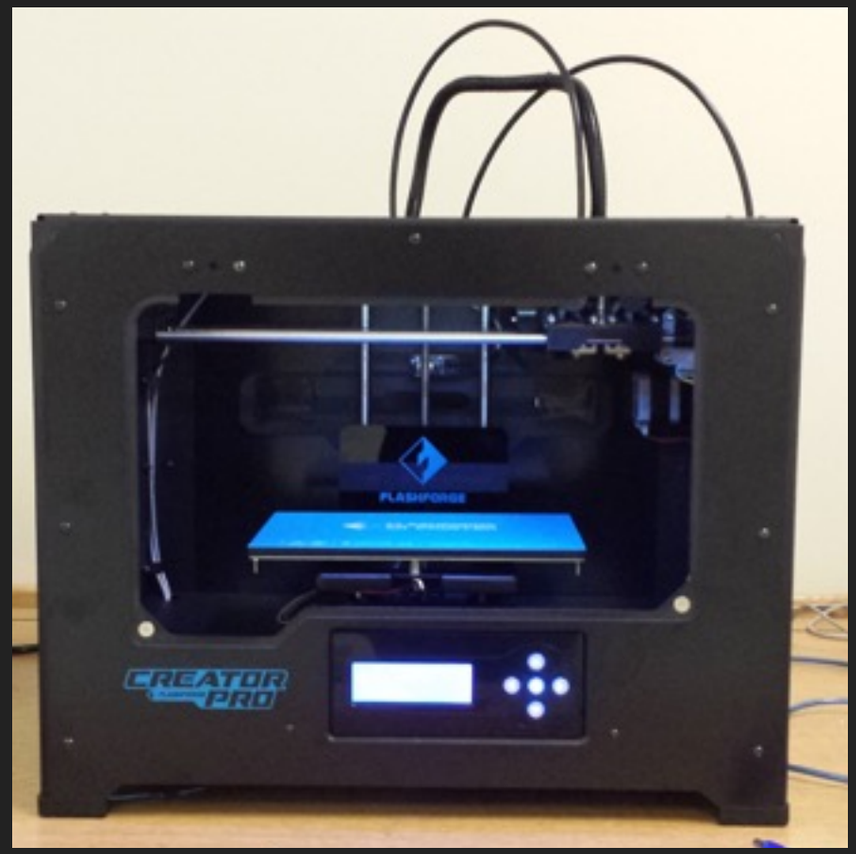
THE MAKING OF BUILD IT

EQUIPMENT

flickr photo by jdtornow https://flickr.com/photos/jdtornow/5132907504 shared under a Creative Commons (BY) license







3D PRINTERS

REVIVING LIBRARY TECHNOLOGY

3D SCANNERS

3Doodler
#WhatWillYouCreate?
Quick Start Guide

CAMEO

littleBits
KORG
littleBits
littleBits

AND MORE...

BUT WAIT, WE NEED TOOLS & SUPPLIES

THE MAKING OF BUILD IT

SPACE

https://pixabay.com/static/uploads/photo/2015/09/05/21/36/bar-925487_960_720.jpg

THE CHALLENGE OF SPACE

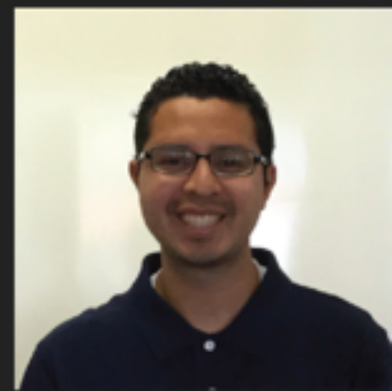
THE MAKING OF BUILD IT

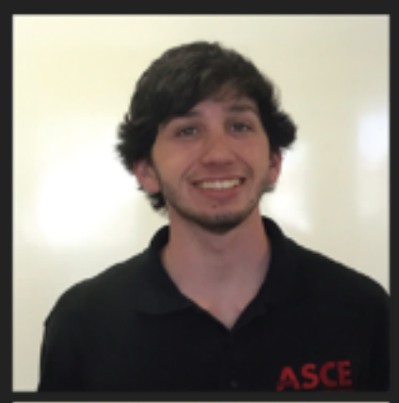
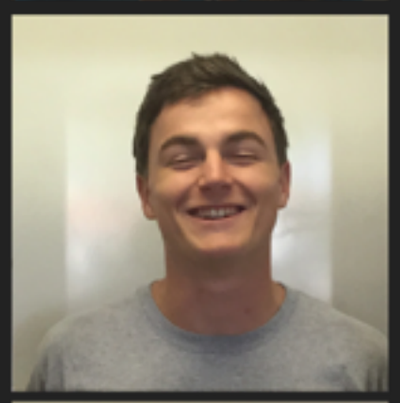
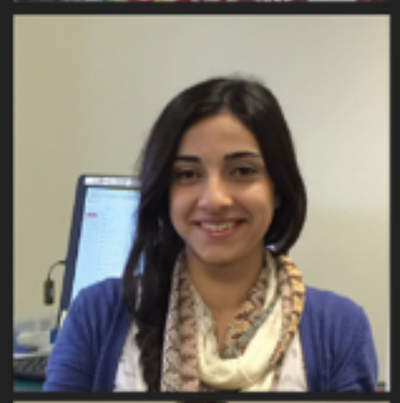
PEOPLE

https://static.pexels.com/photos/310/restaurant-people-feet-legs.jpg

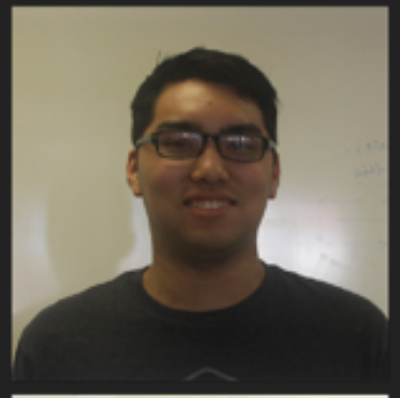
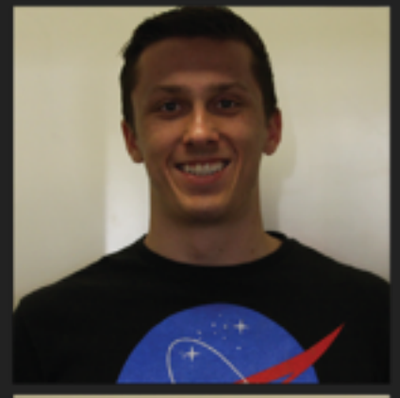
WE ARE

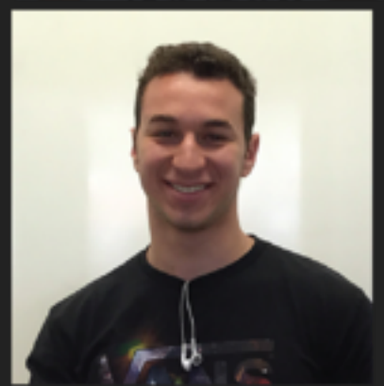
MAKE




ASCE



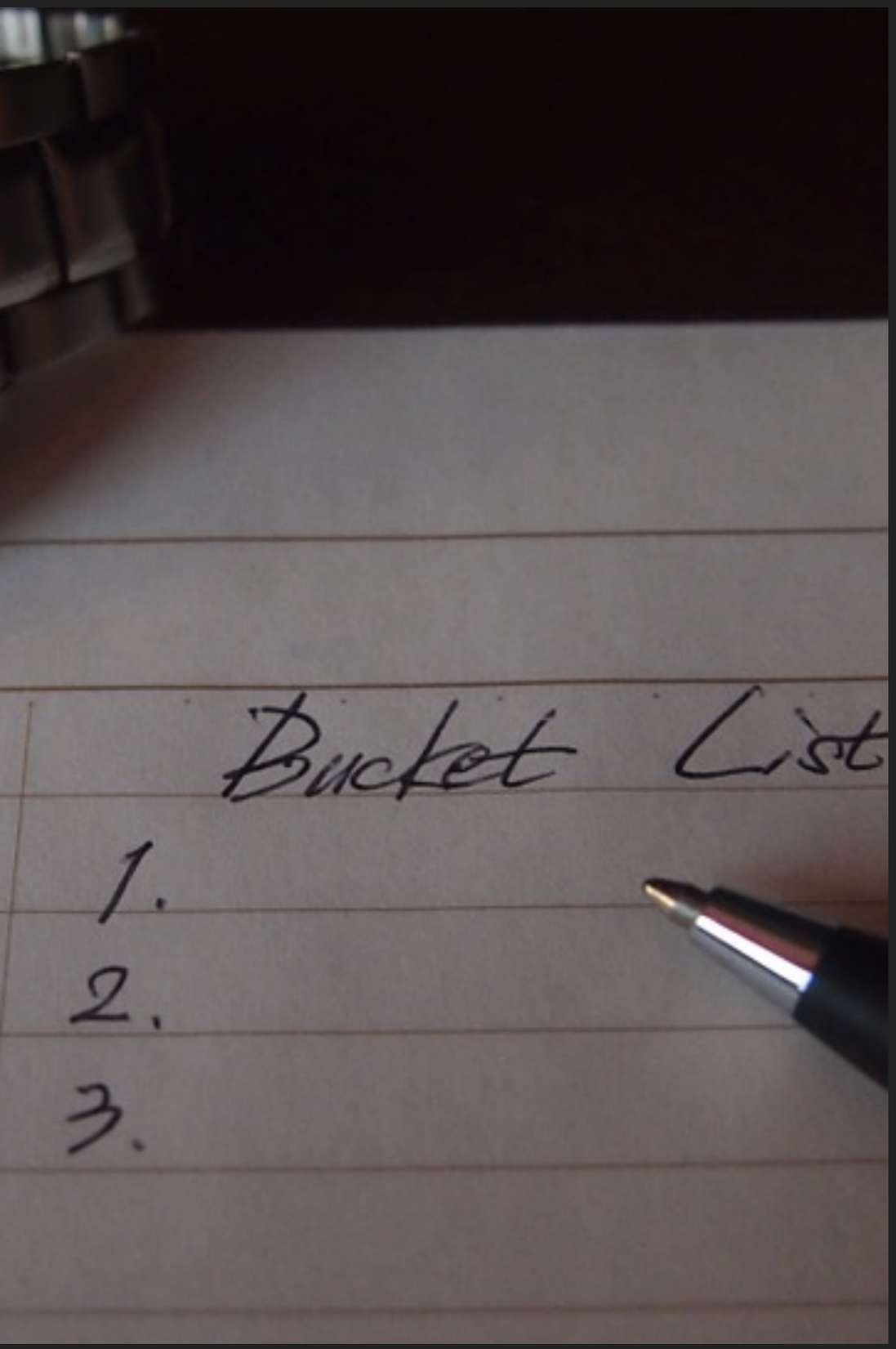
CHICAGO



STUDENTS WHO VOLUNTEER FOR THE LIBRARY TO HELP PROMOTE HACKING CULTURE

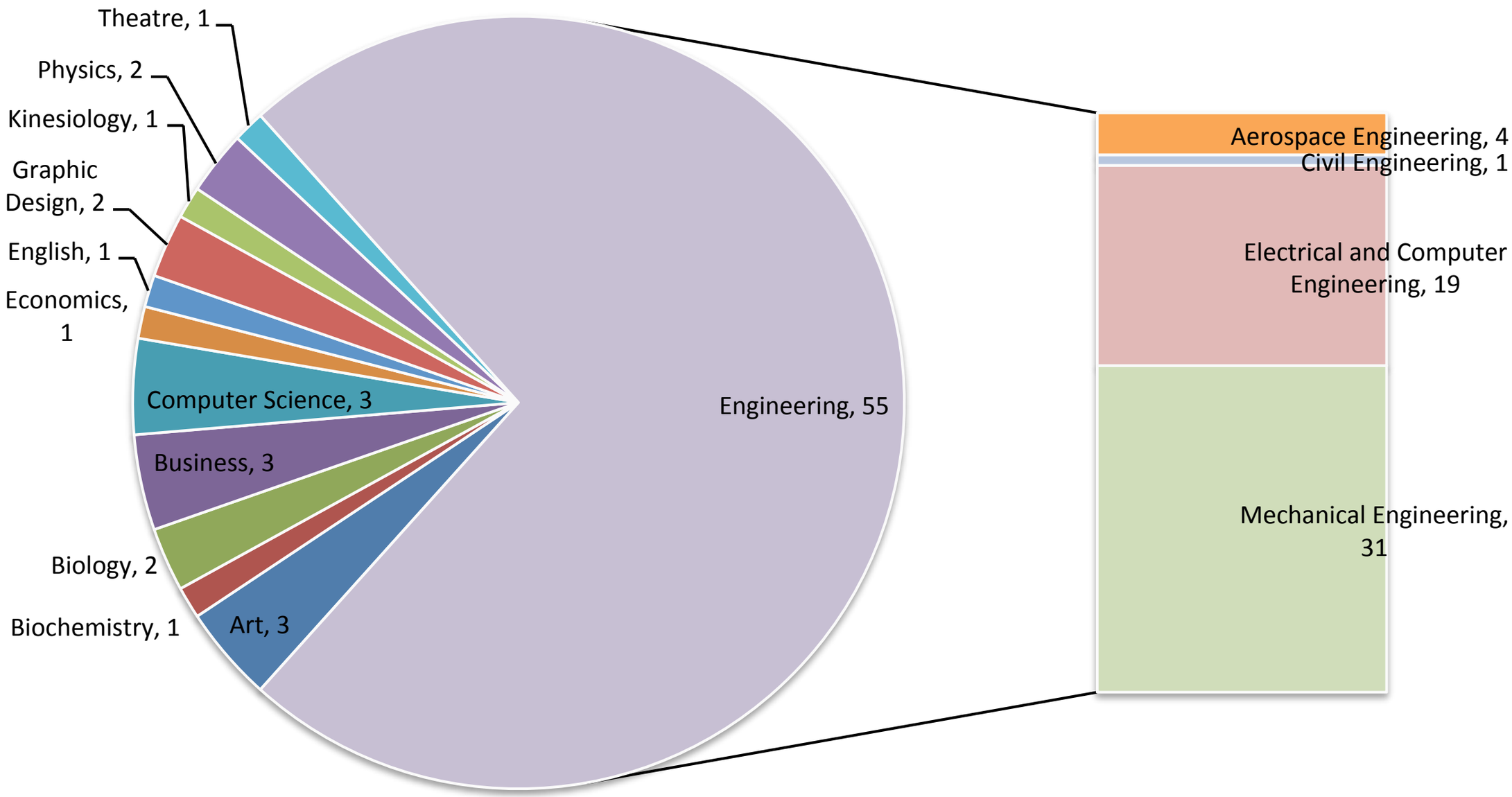
Master Builders

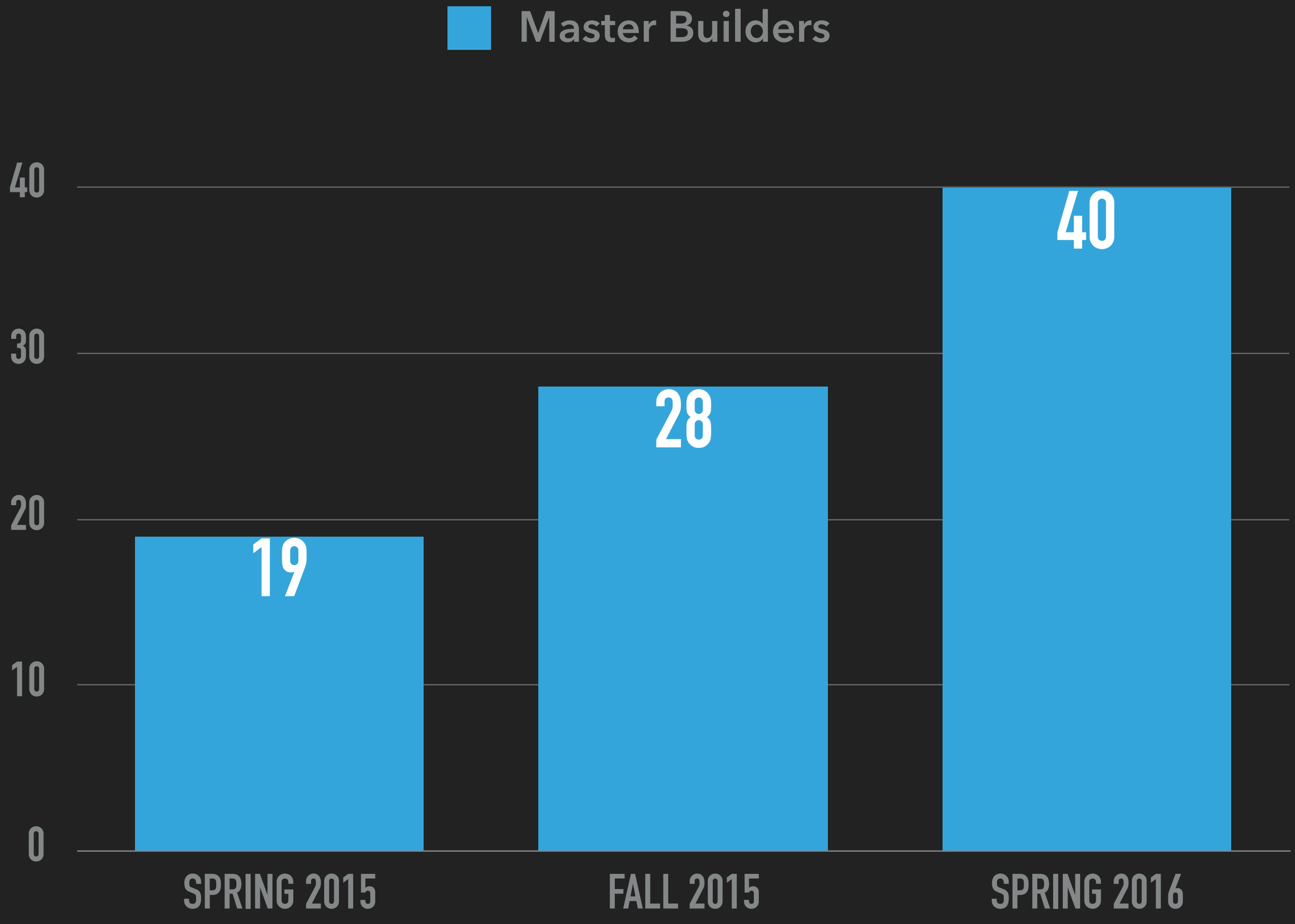


REQUIREMENTS

- Volunteer 3 hours a week
- Willingness to learn
- Be enthusiast and encouraging

Master Builder's Major

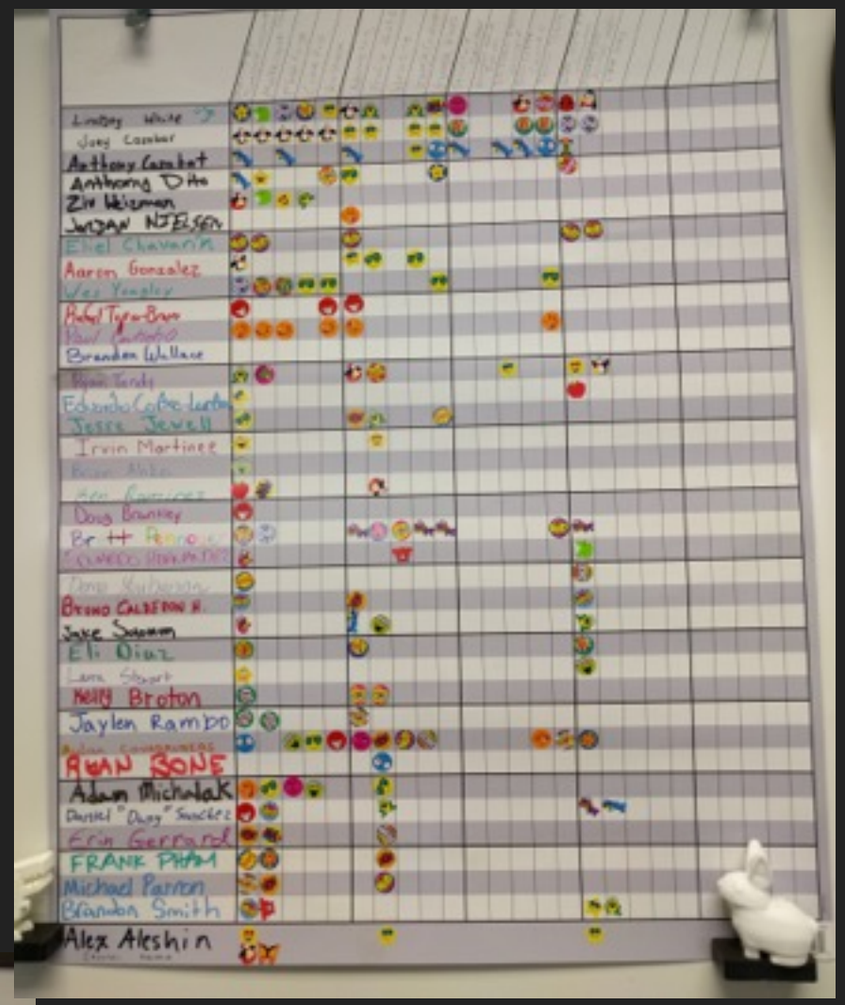


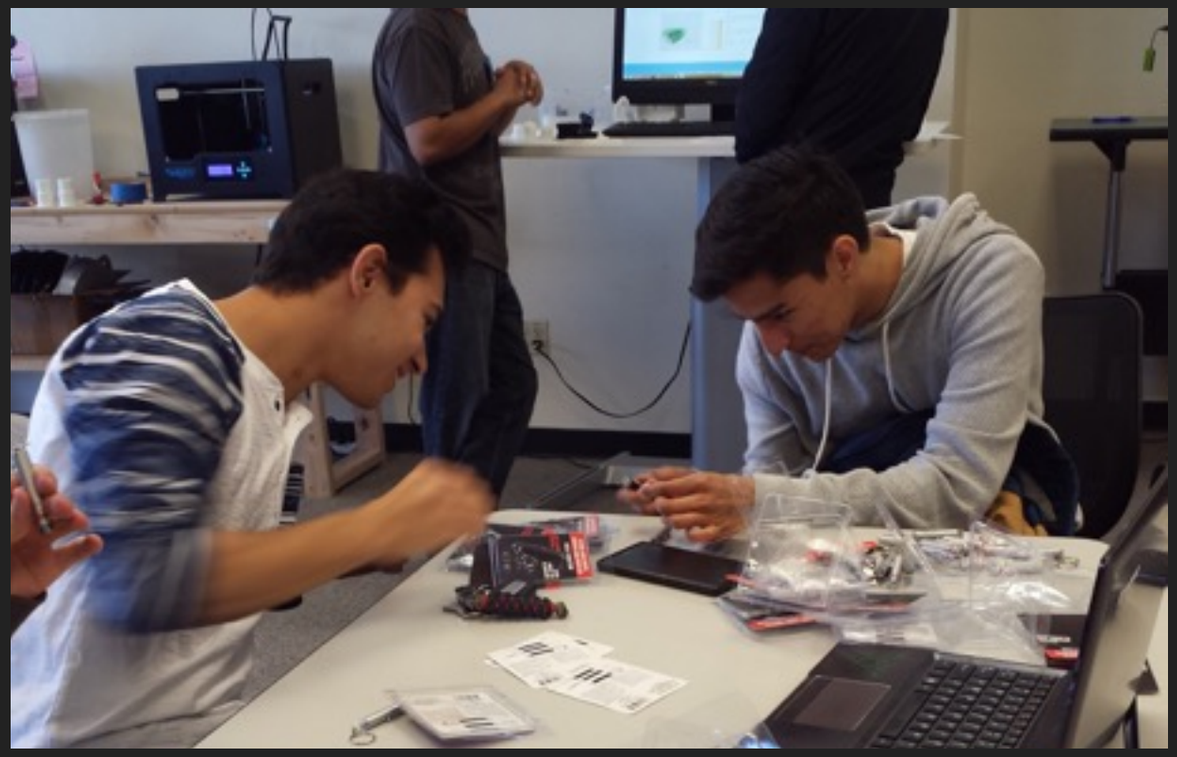

Master Builders
40
30
20
10
0
19
28
40
SPRING 2015
FALL 2015
SPRING 2016

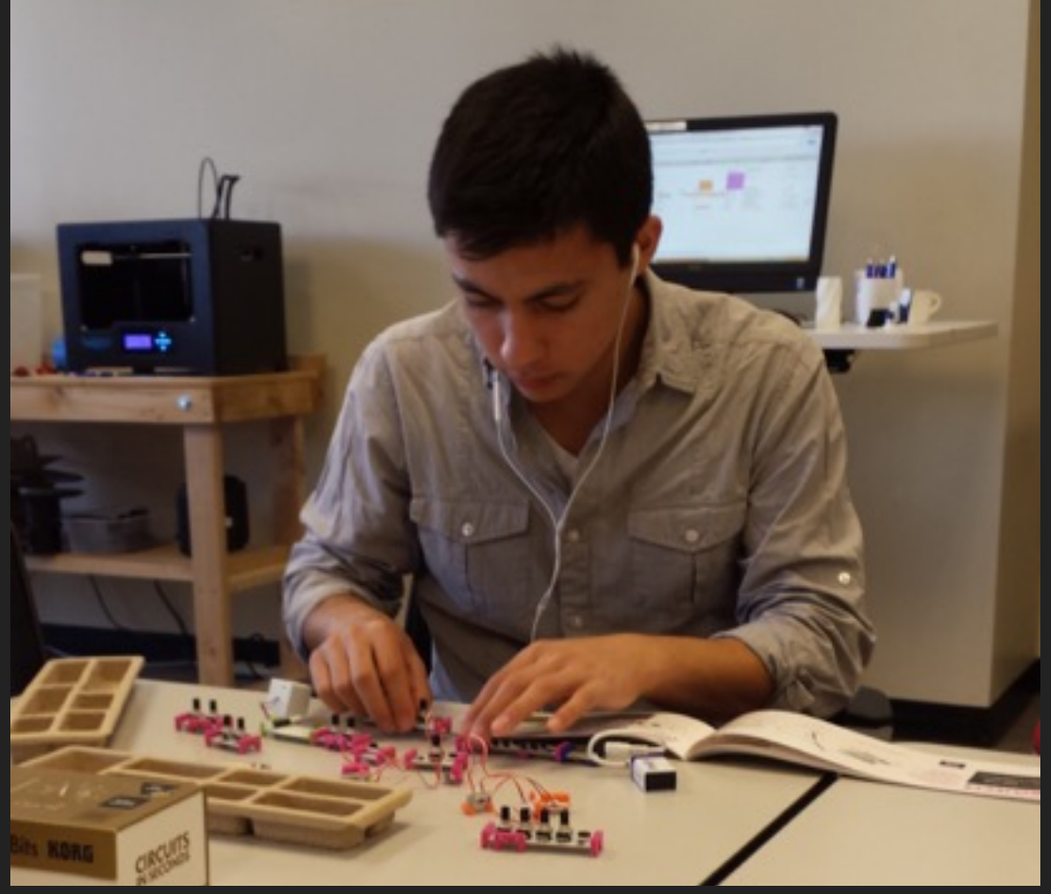
MASTER BUILDERS MEETINGS

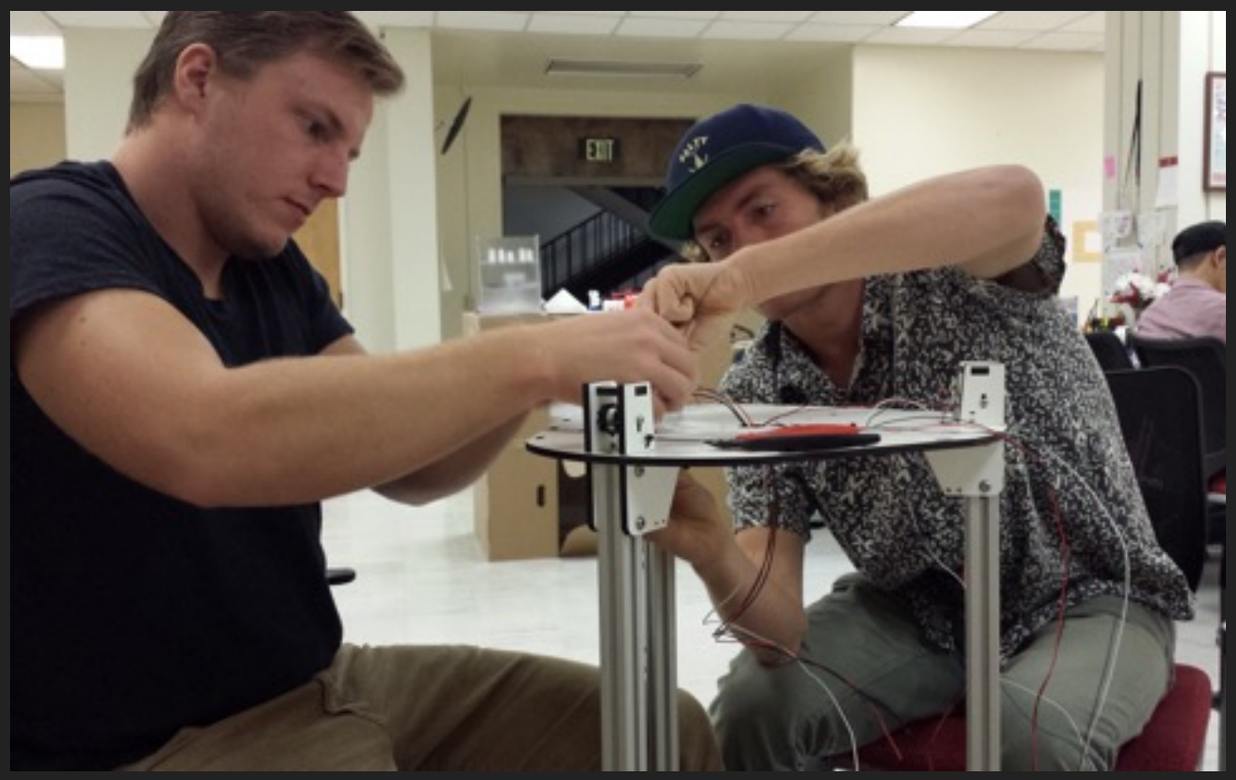
NAME TAGS

TRAINING SYSTEM

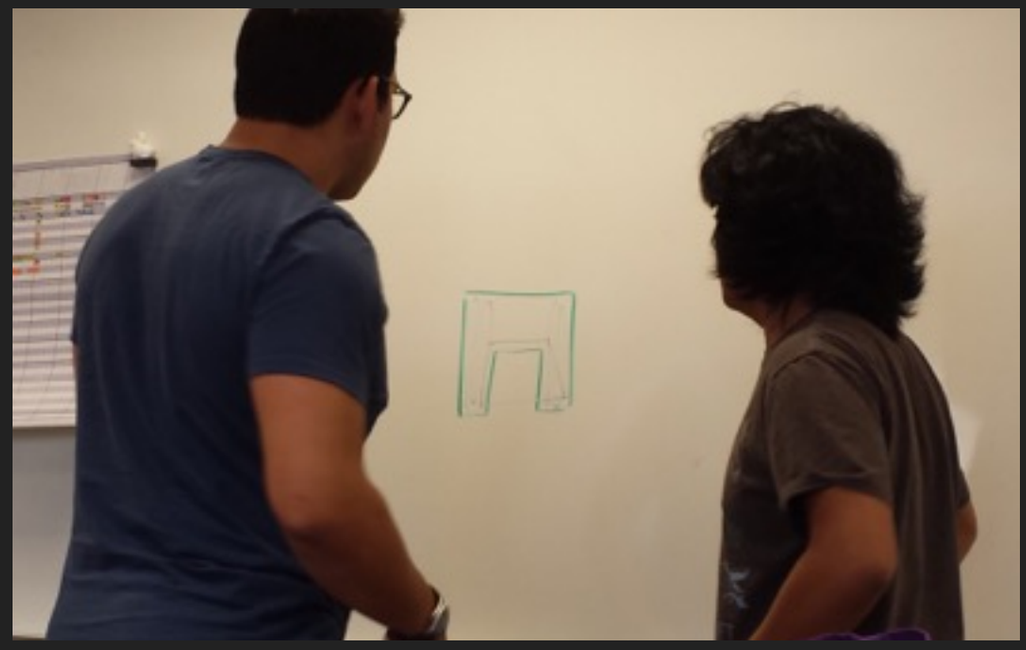


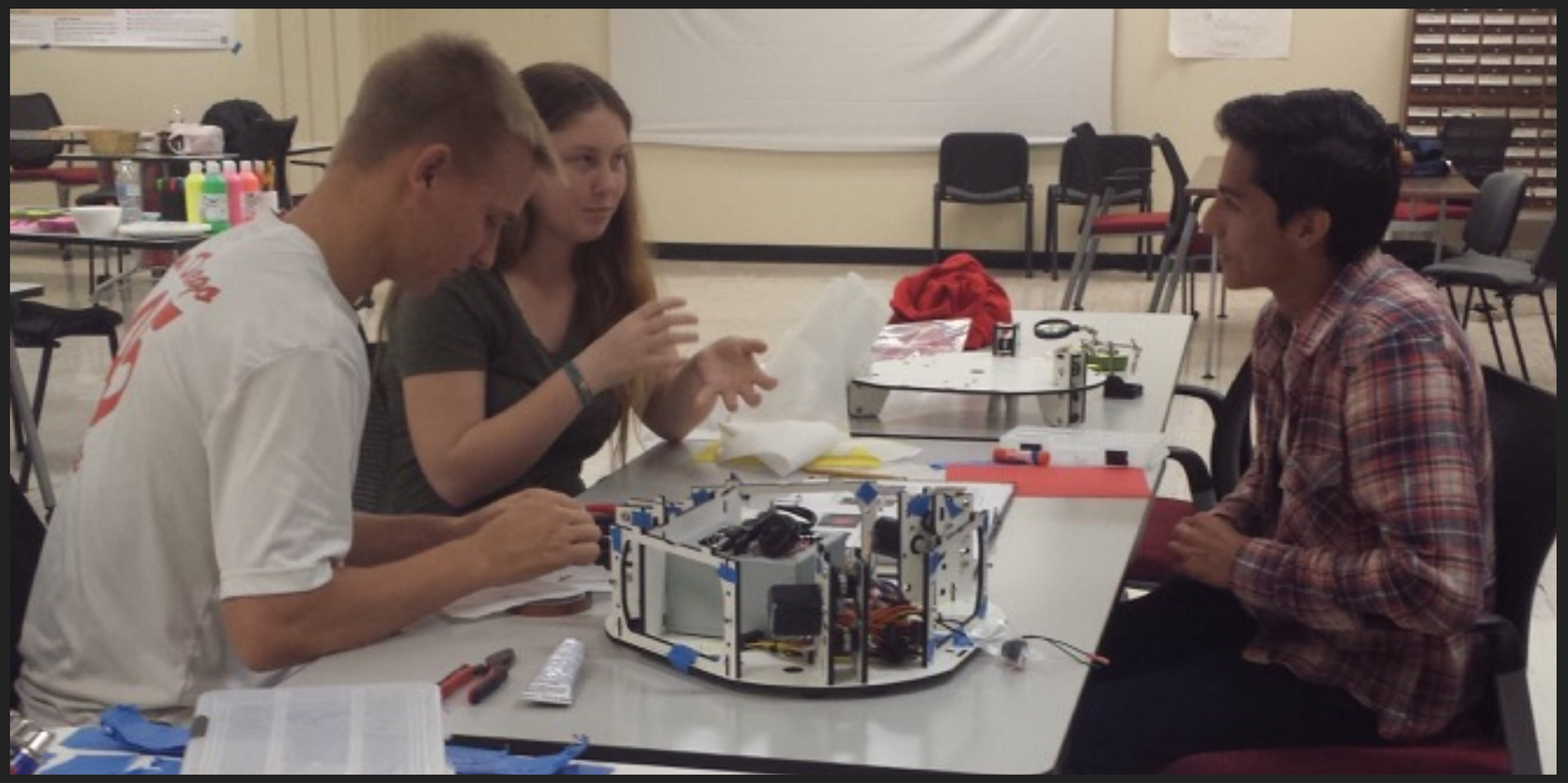






HANDS-ON LEARNING

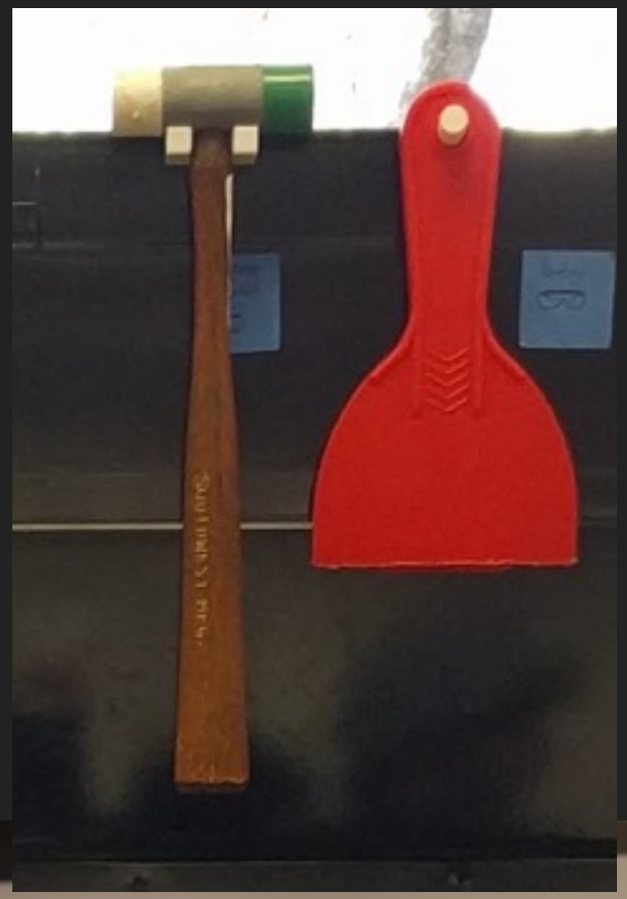


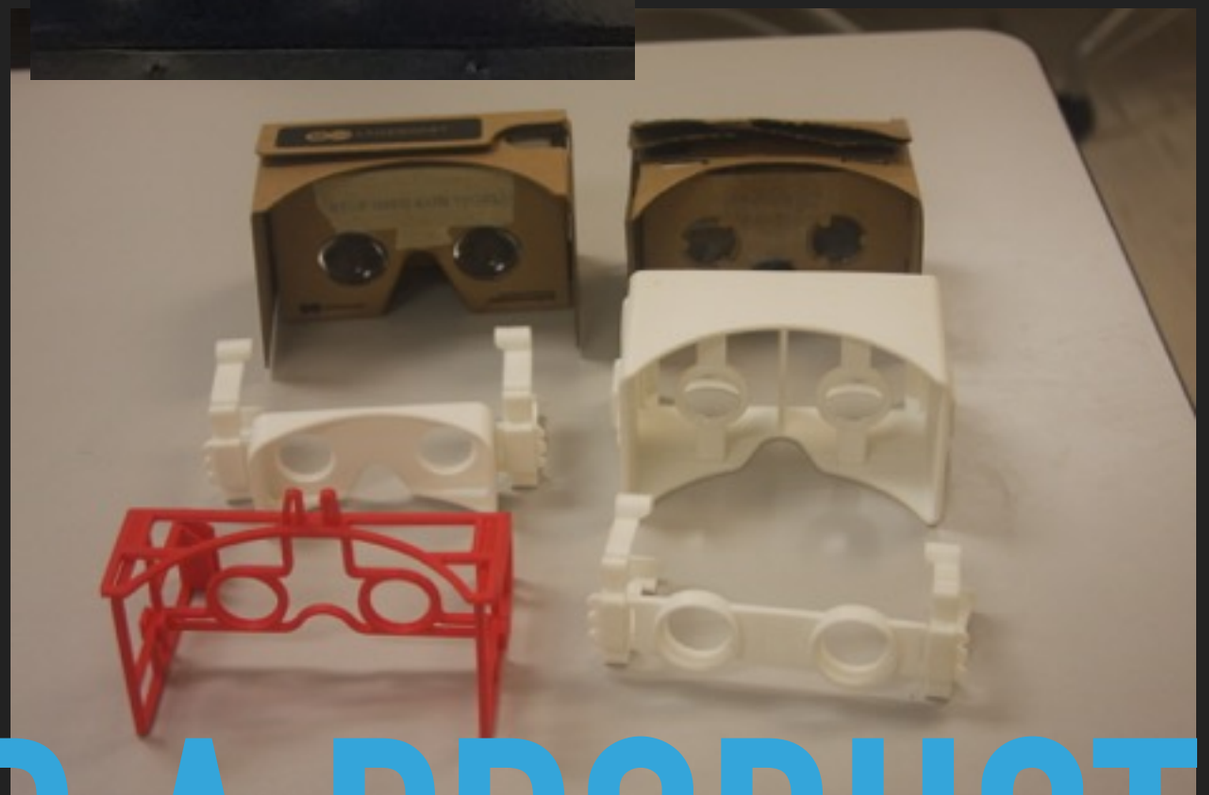


PEER-TO-PEER INSTRUCTION

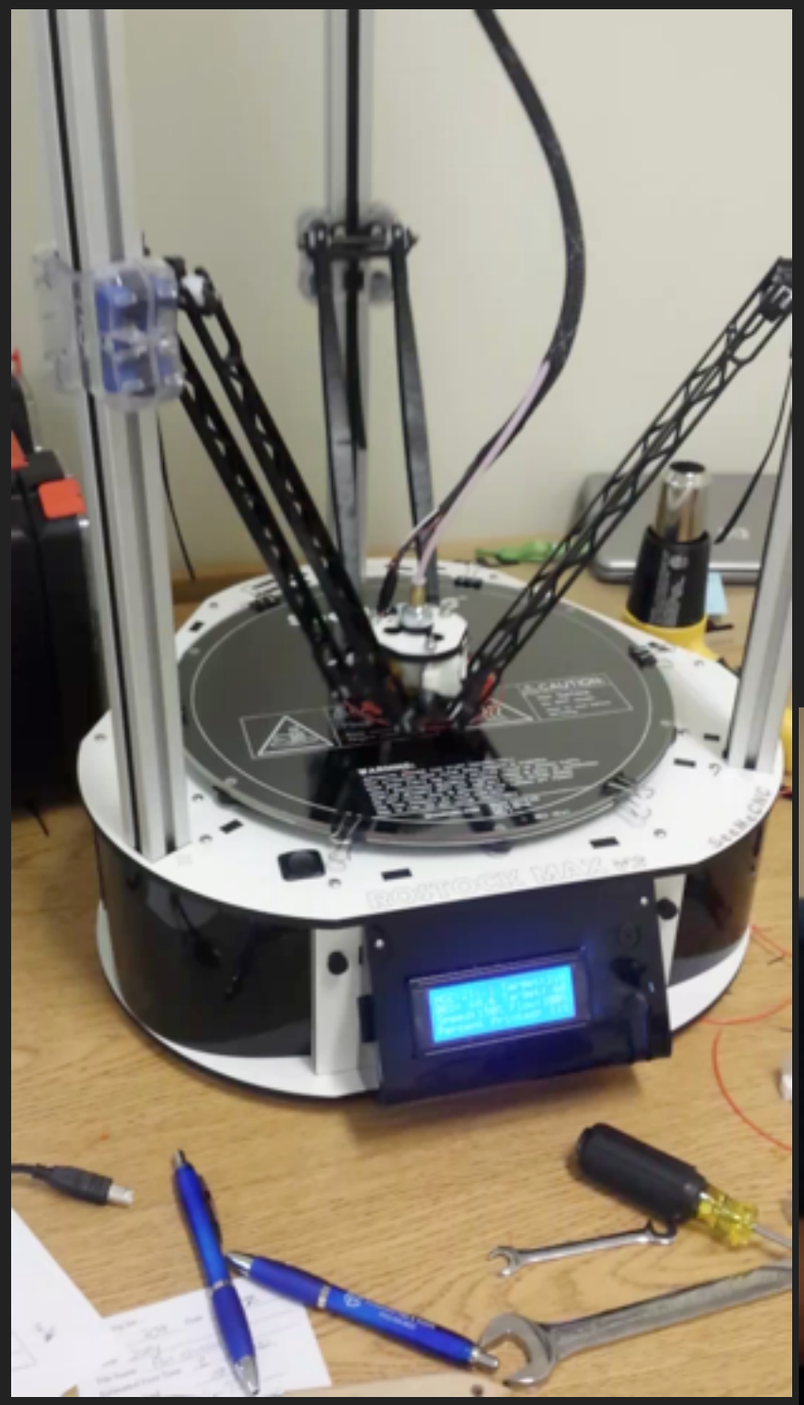
PROJECTS

EMPOWERING THEM

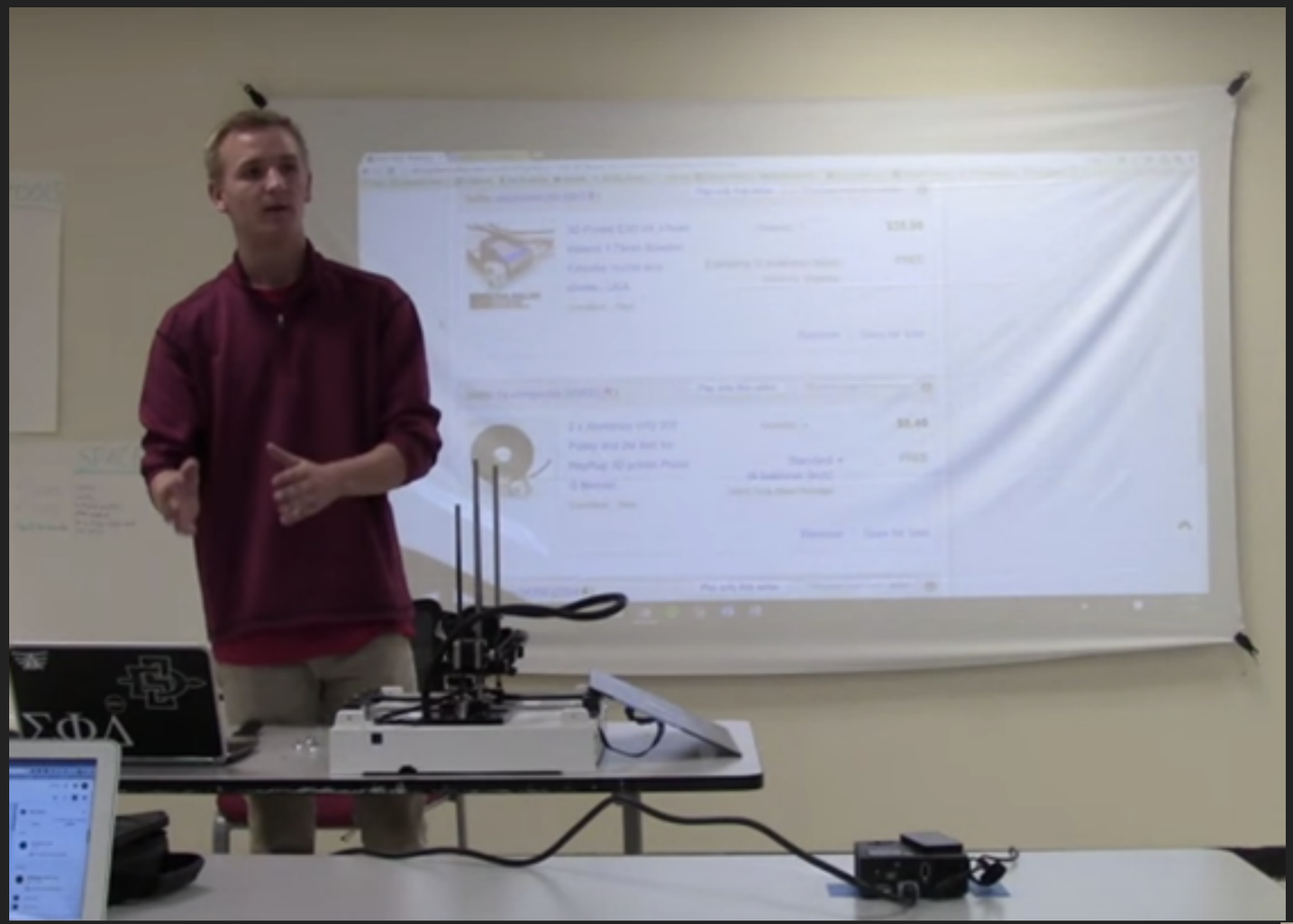


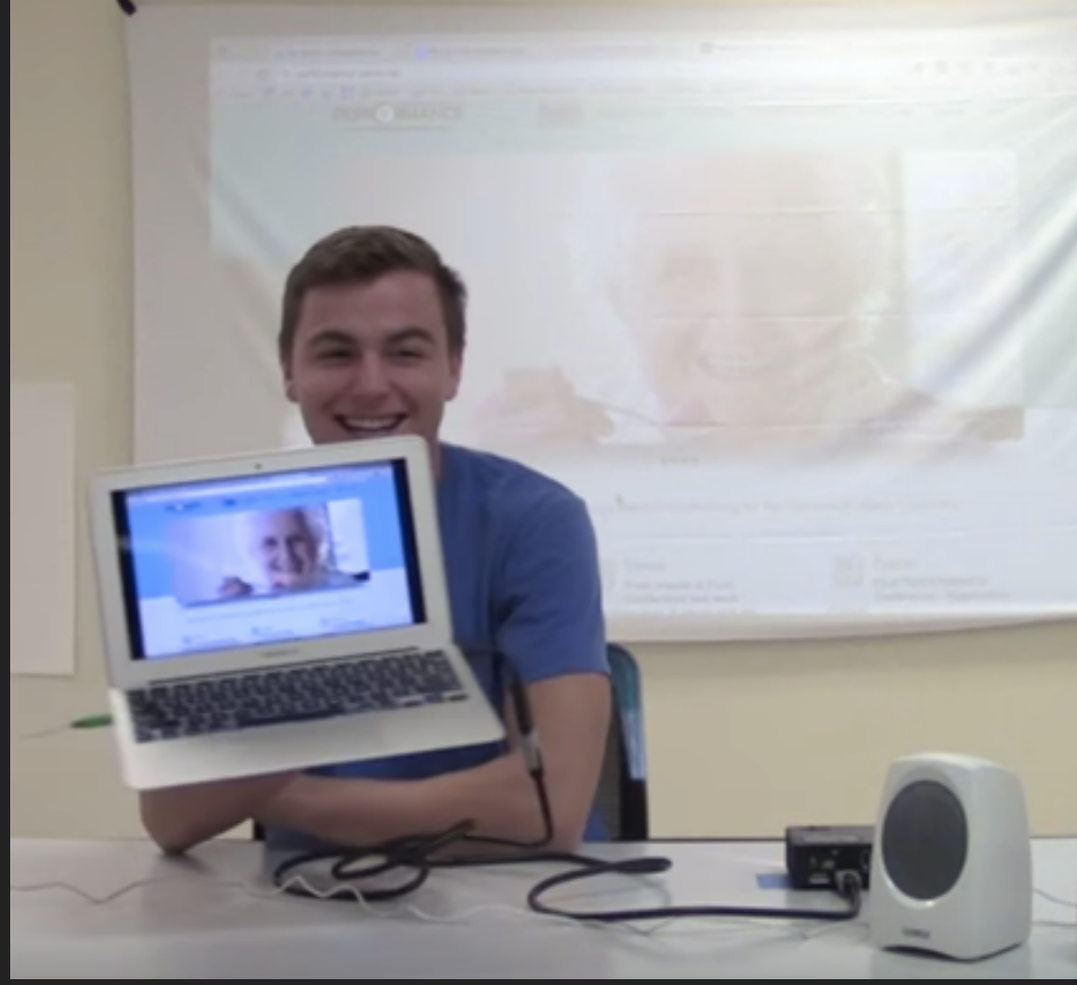


PROJECT FOR A PRODUCT

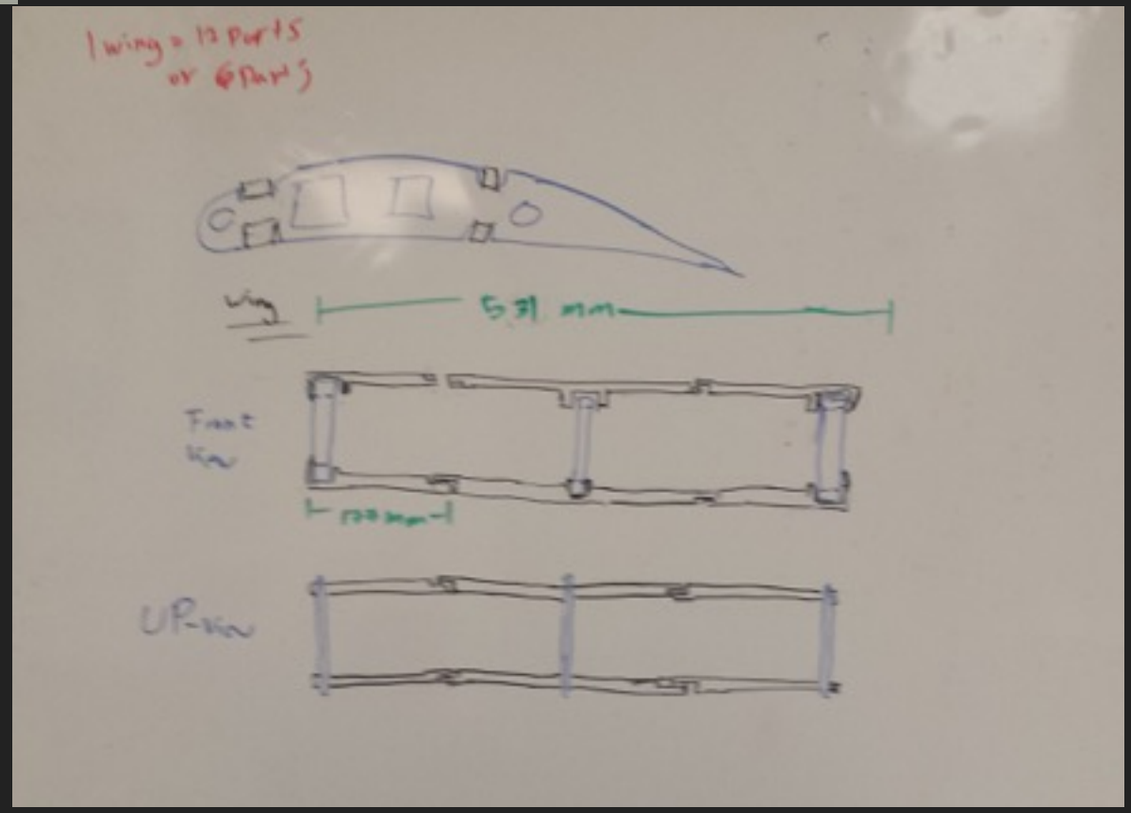


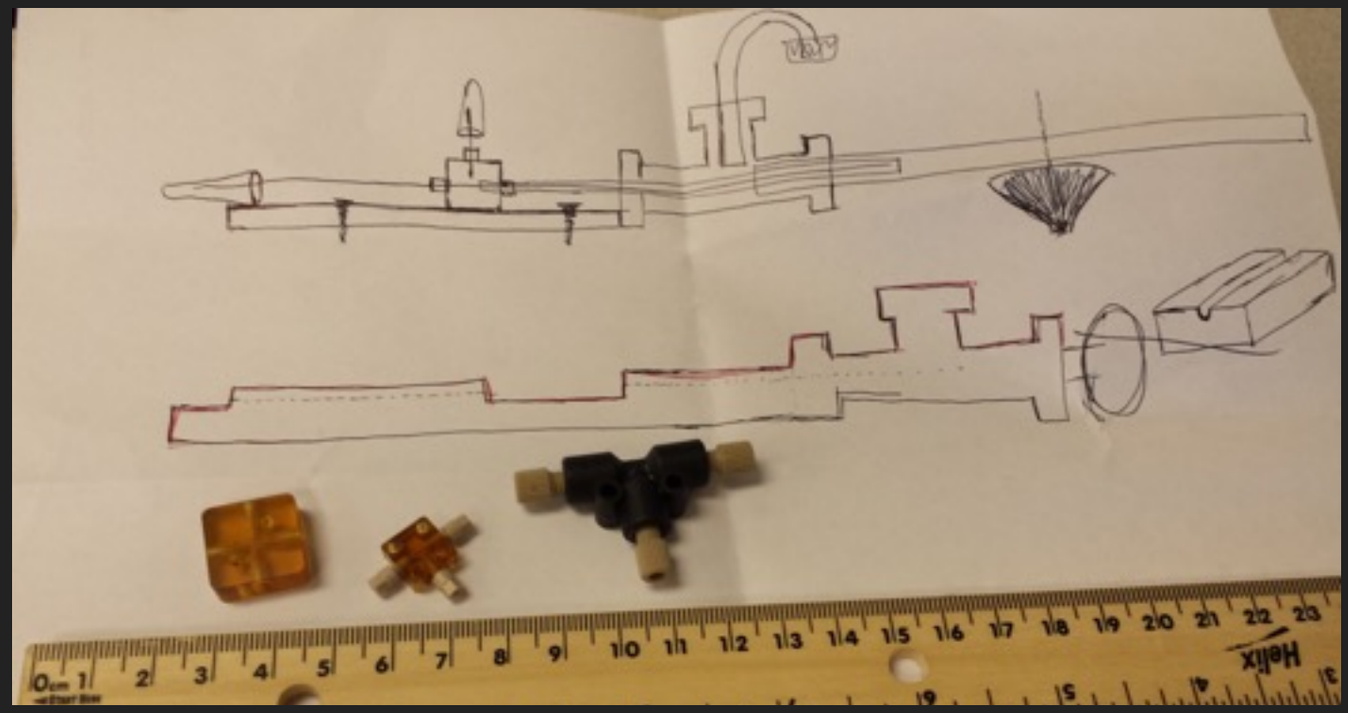
ROSTOCK MAX V2





INTERNSHIP





COLLABORATION OPPORTUNITIES

LIBRARIAN AS EDUCATOR, MENTOR, PEER