

WEEKLY STATUS REPORT

DATE: 5/8/2016 – 5/14/2016

What I did this week:

- Began writing the capstone report
- Integrated the new user parameters to GUI. Also added textbox to manually set current setting. Aram didn't want letters corresponding to current so I changed them to numbers 0-5 to correspond to current A-F respectively
- Integrated main 3D metal program into GUI through the use of a START button
- Added comments to GUI program
- Created block diagram of system
- Gave Dr. Faust a project update. Discussed writing up a document for future work
- Filmed videos of printing process and how to run program
- Tested prints using various cube designs
- Completed larger wiring diagram
- Completed weekly status report

Any issues I encountered:

- While printing a cube, we noticed a drop in temperature as the welder moved away from the temperature to create the backside of the cube. Would like to position the temperature sensor directly above the print to obtain a better temperature measurement.

What I will be working on next:

- Continue writing capstone report
- Editing videos
- Clean up repository

Notes: None