

sdmay19-03: 3D Metal Printer - Phase II

Week 2 Report

September 10 - September 23

Team MembersThomas Waters — *Leader/Embedded systems work*Ariel Rizhsky-Yakobson — *Embedded Systems/Code engineer*Jacob Gosse — *Electrical Engineer*Alvin Rymash — *Electrical Engineer*Carter Cahill — *Coding engineer*Armand Hernandez — *Coding Engineer***Summary of Progress this Report**

During this reporting period, we focused on what our short-term and long-term plans were. After reading the documents and looking into the code for the printer, we were able to better figure out what each of our roles would be. Our first step will be to get the roller up and working, and so the next couple of weeks will be dedicated to getting that working. We were also able to meet with the mechanical engineering group and exchange the information that we had. We will be working closely with them as we attempt to get the roller working.

Pending Issues

We still need to figure out exactly how the code for the printer works and how we want to continue to expand it. This will be the job of everyone, and is priority number one.

Plans for Upcoming Reporting Period

We plan to meet up with the mechanical engineering group and begin work on the roller. This will require work from the computer engineers as well as the software engineers. The electrical engineers hope to touch base again and figure out what exactly is wanted for sensors. Once this is figured out, they will begin to research the sensors wanted.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Thomas Waters	Examined manual for stepper motors	9	15
Ariel Rizhsky-Yakobson	Examined stepper motor manual	8	8
Jacob Gosse	Examined wiring, inquired about sensors	10	16
Alvin Rymash	Examined wiring	8	14
Carter Cahill	Looked over code, worked printer	10	14
Armand Hernandez	Looked over code, worked printer	10	16

Gitlab Activity Summary

Nothing to report.
