

EE/CprE/SE 492 - sdmay 20-30

Building a 3D Micro-Manufacturing System using Digital Micromirror Device

BI-WEEKLY 1 REPORT

August 2019 – May 2020

Client &/Advisor: **Meng Lu**

Team members:

Tong Di - Software

Di Meng - hardware

Yu Cheng – hardware

Shengpu Zou – hardware

Haolun Ping- software

Past Week Summary

We met after the spring break and check the job progress of each person. We checked the schedule and goal for this semester. We also met our advisor to report the progress and discussed the problem we are facing.

Past Week Accomplishments:

- Meet with group members and confirm the progress of each member.
- Make a plan for this semester
- Write BI-Weekly report 1

Pending Issues:

- Build a simple structure of the 3D printer
- Debug the LabVIEW code
- Mounting the UV projector

Individual Contributions:

Name	Contributions	Weekly hours	Cumulative Hours
Tong Di	Investigating the motorized stage LabVIEW plugin and programming code	8	8
Di Meng	Getting familiar with cutting 3D models into slices by layer and layer in creation workshop	8	8
Yu Cheng	Getting familiar with cutting 3D models into slices by layer and layer in creation workshop	8	8
Shengpu Zou	Fixing the mounting problem of the projector	8	8
Haolun Ping	Investigating the motorized stage LabVIEW plugin	8	8

Plans for the upcoming week:

Tong Di - Contact motorized stage company and get technical assistance.

Yu Cheng - Let the Electronics Technology Group make a box to fix the projector based on our SolidWorks design.

Di Meng – Let the Electronics Technology Group make a box to fix the projector based on our SolidWorks design.

Shengpu Zou - Modify UV led PCB to replace light source. Rebuild and test the optical platform.

Haolun Ping - Contact motorized stage company to get technical assistance.