

**sdmay19-47: NSF Lab furnace control system**

Week 2 Report

January 24th- February 2nd

**Team Members**Adam Matthews — *Software/Hardware Engineer, Report Manager*Kevin Lang — *Electrical Engineer*Jeremy Hartl — *Hardware Engineer*Christopher Pohlen — *Software Engineer/Gitlab Moderator*Nick Brylski — *Systems Engineer***Advisor/Client**

Dr. Gary Tuttle

**Summary of Progress this Report**

We set up some preliminary eagle files folders including the necessary footprints we would will be using on our PCB shield. This includes the RS232 transceiver, DAC, and arduino mega shield footprint. These were found in the eagle libraries and ultralibrarian.com

**Pending Issues**

The GUI and API need considerable work, functionality and--fleshing the GUI out to make sure it has all the fields it needs and then connecting it to the API.

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Adam Matthews	<ul style="list-style-type: none"><li>API development</li></ul>	4	6
Kevin Lang	<ul style="list-style-type: none"><li>Eagle library research and setup</li></ul>	3	6
Jeremy Hartl	<ul style="list-style-type: none"><li>Eagle library research and setup</li></ul>	3	6
Christopher Pohlen	<ul style="list-style-type: none"><li>GUI development</li></ul>	3	6
Nick Brylski	<ul style="list-style-type: none"><li>Eagle library research and setup</li></ul>	3	6

**Gitlab Activity Summary**

Nothing to report.

