

sdmay19-47: NSF Lab furnace control system

Week 3 Report

February 3rd - February 12th

Team MembersAdam 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 worked on turning the OTC API into a Python module so that the GUI can import the functions directly and utilize them. The API relies on callback functions to pass data back to caller because it must wait for data to be sent over serial.

Pending Issues

PCB schematic needs to be drawn up and then everything routed correctly. Followed by IC placement on the board view. Routing traces etc.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Adam Matthews	<ul style="list-style-type: none">Worked on turning API into Python module	3	9
Kevin Lang	<ul style="list-style-type: none">PCB design	3	9
Jeremy Hartl	<ul style="list-style-type: none">No work	0	6
Christopher Pohlen	<ul style="list-style-type: none">GUI design	3	9
Nick Brylski	<ul style="list-style-type: none">PCB design	3	9

Gitlab Activity Summary

Nothing to report.
