

CprE 492 - sdmay20-08

Cirq: A Python Framework for Creating, Editing, and Invoking Quantum Circuits

Week 1 Report

1/13/2020 - 1/24/2020

AJ Hanus - Researcher, Developer
Andrew Hancock - Researcher, Developer
Austin Garcia - Researcher, Developer
Calista Carey - Researcher, Developer
Jake Shedenhelm - Researcher, Developer
Jordan Cowen - Researcher, Developer

Client: Victory Omele

Faculty Advisor: Akhilesh Tyagi

Weekly Summary:

For the start of the semester, we set up meetings for both the group as a whole and ourselves individually. We also outlined everything that was required for the class so that we would be ready for the deadlines over this semester. Because our project has smaller, two person portions of the project, each of the pairs created weekly meetings together to start completing their coding sections.

Past week accomplishments:

- Met as a team and laid out game plan for the semester.
- Met in pull request groups to work on individual assignments.

Pending Issues:

The current issues we are working on are the three pull requests we have in the Cirq repository. We plan to have these all completed before Spring Break. Below is a table of our issues and assignments:

Pull Request	Members
Implement cirq output for Standard QUIL Gates	Calista, Jake
Implement cirq output for Non-Standard Gates	Jordan, Andrew
Implement cirq output for Control flow and Measurements	AJ, Austin

Individual Contributions:

Name	Individual Contributions	Hours this week	Hours Cumulative
Calista Carey	<ul style="list-style-type: none">● Met as a group to discuss the future plans of the project. It has been determined that all coding should be done before spring break.● Set up times to meet with my partner, Jake, outside of large group meetings that are being held every Thursday● Plan to start working on the project next week (Week 3)	2	2
Jordan Cowen	<ul style="list-style-type: none">● Met with group and helped set a game plan for the semester● Met with Andrew and worked on our pull request assignment	2	2
AJ Hanus	<ul style="list-style-type: none">● Met as a large group to outline my deadlines and deliverables for the semester● Set up a weekly meeting with my pair partner to begin coding for pull request	2	2
Austin Garcia	<ul style="list-style-type: none">● We met as a group to discuss the upcoming deliverable schedule● Came up with a meeting time with my pair partner and discussed our deliverable content.	2	2
Andrew Hancock	<ul style="list-style-type: none">● Decided on a meeting time with Jordan since we share a pull request.● Planning to begin work on our pull request next week.	2	2
Jacob Shedenhelm	<ul style="list-style-type: none">● Met with group to discuss semester schedule● Decided on a meeting time with	2	2

	partner to begin work <ul style="list-style-type: none">• Plan to begin working on the pull request next week		
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Plans for Coming Week:

Meet with partners to begin working on deliverables. Schedule weekly meetings with our advisor, and our professors.