

# Group Work

Nov 19, 2019

---

We met as a group to continue revisions on our design document. Today we each choose specific gates that we will work on formatting the output to Quil. This will allow us to begin working on the next steps of updating our design document with specific test cases, creating diagrams and begin the implementation of our program. To make our work easier, we each cloned the same fork of the Cirq repository. Our group is feeling a lot more confident after we updated our overall project deliverables and we have a strong plan moving forward.

# Individual Work

Calista Carey

---

## **Hours Worked: 5.5 hours**

During the meeting with our group, I have chosen to make the implementations for gates Cirq.X, Cirq.Y, Cirq.Z. I will begin working on these gates a little later this week. I feel much more comfortable with this project, and I am excited to get these gates implemented so I can begin working on the parser. I also watched CMU video 5 and going to watch the sixth one later in the week.

Austin (AJ) Hanus

---

## **Hours Worked: 6 hours**

This week I updated the markdown document with the comments that Victory made on our last version. This required me to find out how we were going to add the QUIL gates that were not implemented in Cirq. I also explained where

and how we would be adding those gates to Cirq. I was also chosen to implement QUIL outputting for Cirq.CZ, Cirq.FREDKIN, Cirq.CSWAP, and Cirq.CX.

Andrew Hancock

---

**Hours Worked: 6**

This week I have been watching more lecture videos from the Quantum Information course at CMU. I have also helped update sections of the design document for the final version. In terms of coding, I have been exploring the Cirq codebase to better understand how I will go about implementing my assigned gates.

Austin Garcia

---

This week I watched more lectures, worked on the design document, re-cloned the new repo location, and worked on running the repository on the linux virtual machine. We all met as a group to assign gates to individuals for future work.

Jordan Cowen

---

This week I watched more lectures from the CMU quantum computing course in order to gain the technical skills necessary for our project. We did some more revision on our design document for version 3 and assigned gates to be worked on for conversion.

Jacob Shedenhelm

---

**Hours Worked: 6**

This week I continued to watch videos on quantum computing and QUIL. As well, our team met and updated the design document again. I looked through the cirq repository again and cloned Aj's fork of the repo. We decided to all

work on one fork to make things easier. This next week I plan to watch lectures 3 and 4.