

# IPRO 314

Interactive Urban Landmark Kiosks for Dr. Martin Luther King Jr. Memorial Walk

Faculty advisor: TJ Mcleish

Team members: Dorcas Boykin, Garret Berg, Tadeusz Boback, Michelle Trudo, Dmitry Barsky, Jocsan Martinez, Ayesha Akhtar, Eric Cheng, Se Yen Lai, Lorenzo Perez, Bojana Martinić, Eugen Dragomir-Daescu

## objective

To assist the students at Gage Park High School in bringing their historical vision into reality. This would be activated by creating a Memorial kiosk highlighting historical events relating to the Martin Luther King March held August 1966.

## organization + task

The team was organized by using a round table method. The entire team brainstormed each issue as the opportunity occurred. In the second portion of the IPRO, the team split up task by separating into two sub-groups: the digital group and the building group.

The digital group focused on software development, digital devices experiment and presentation. The building team focused on incorporating student's idea and interactive devices into a prototype. Tasks such as organizing workshops and fieldtrips were completed by the entire team.

## accomplishment

1. Exposure of students to real world knowledge of memorial and interactive devices by setting up workshops and fieldtrips
2. Teaching the students a design software 'Scratch' to communicate their ideas. Students could use their creative ability to design an interactive environment for the installation.
3. Prototype is developed after gathering information from the students. A physical mock up of the installation is setup in the shop.

## obstacles

Students were not familiar with the historical events of Martin Luther King's march and was hence difficult to obtain a solid idea. The students were also not familiar with interactive tools which limited a lot of possibilities.

## conclusion

The student communicated and presented their ideas at the last workshop. These ideas were taken into consideration in coming up with an actual prototype.

## next steps

A prototype mock up is currently under construction and will be set up at Gage Park High School. Feedback will be obtain from the students and the installation will then be further developed.