



QUARANTTEAM

**SC20 Hackathon**

# QuaranTeam's Members

Rebecca Caldwell



Mentor



Hector Santiago

Krystal Daye



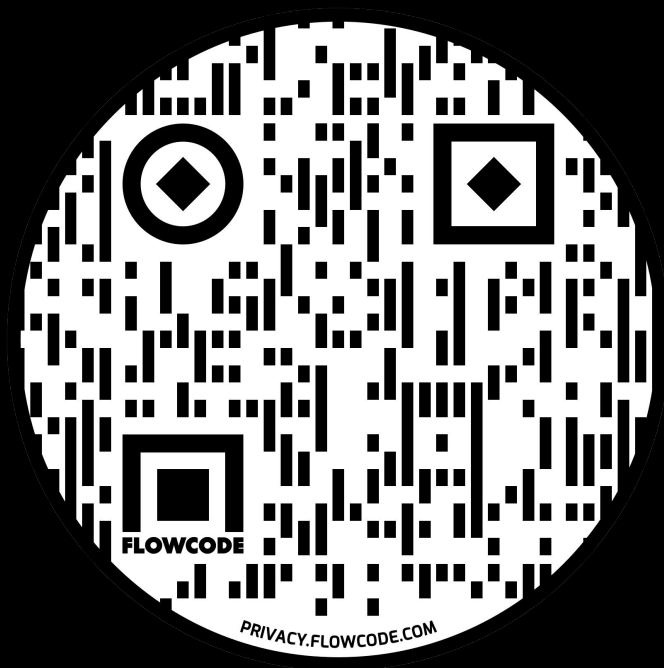
John Milton

Jasmine Trapier



# GitHub

[https://github.com/hectorsantiago5/SC20\\_covid\\_projection](https://github.com/hectorsantiago5/SC20_covid_projection)





# Original Goal



- Develop a tool that uses predictive analytics to provide insights on the impact of Covid-19 in Fulton County, Georgia
- Incorporate linear regression into our tool
- Datasets:
  - [New York Times Covid-19 GitHub Repo](#)



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# What We Learned



- Learned how to work with Google Cloud & Google Colab
- Learned how to work with a cloudy cluster instance
- Learned how to create a python Flask application that works server side
- Learned how to use and develop a Linear Regression model
- Learned how to properly use “Pandas” in Jupyter Notebook
- Learned how to use GitHub properly
- Learned Python and expanded on our Python knowledge



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# Teamwork



- We all worked together to help each other with issues we were experiencing in our code, local environments and helped each other with committing, pushing and pulling from GitHub.
- We also worked with other teams at the Hackathon and shared our code to hopefully help them out with their projects.
- Worked with our mentor and other mentors to help us get over some road blocks we experienced.



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# Impact



- Our linear regression model helps show a trend of COVID-19 cases, death and death rate in Fulton County, Georgia as well as the whole state of Georgia.
- The citizens of Georgia will be able to use our project to get COVID-19 information, locations for COVID-19 testing in Fulton County and they'll be able to use our project to see some predictions on COVID-19.
- This project is impactful because it is a tool that people in Georgia and Fulton County can go to to see COVID-19 data visualized for their area or state.

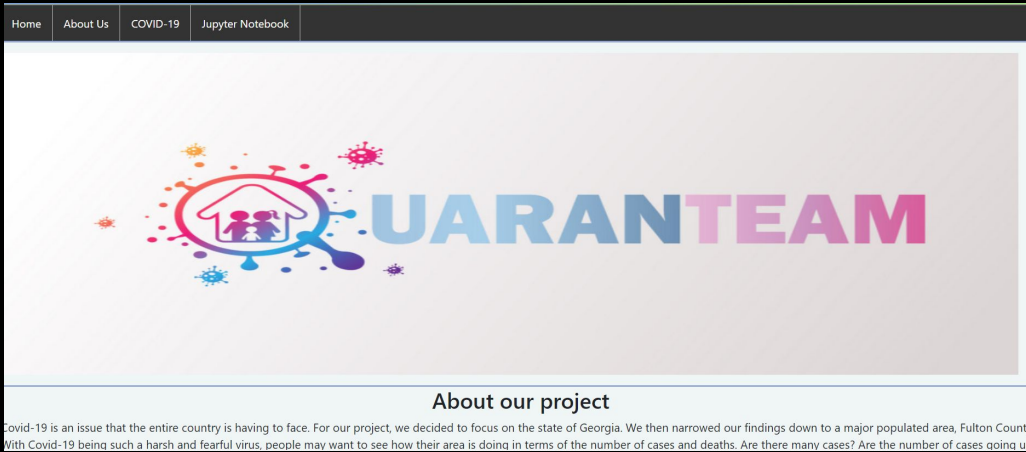


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# Deliverables

➤ <http://sc20-hack-9.appspot.com/>

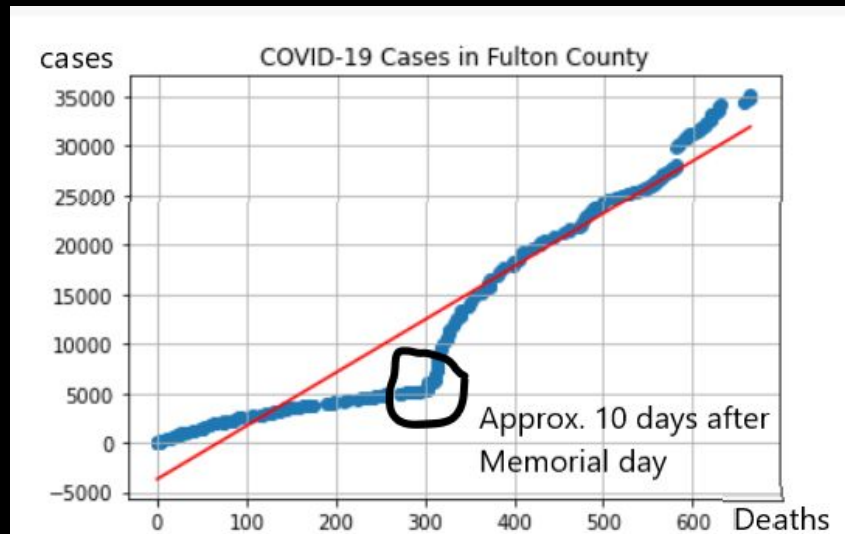
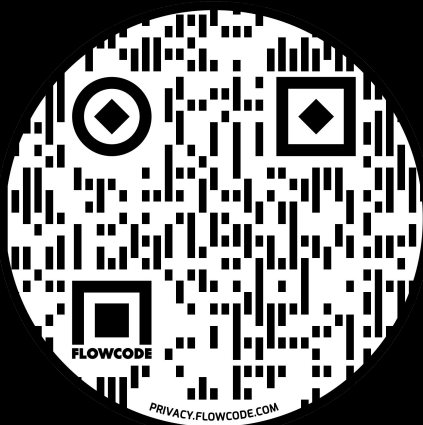


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# Deliverables Cont

- <https://colab.research.google.com/drive/1U4vdX2hIBfNe9804orRi0YGKJTaddS47?usp=sharing>
- Jupyter Notebook



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# Demo Time!

