

OPERATION: Back The Railroad

End Human Trafficking

Our Mission: Create a web application to educate law enforcement agents, social workers, and parents about human trafficking, identify high-risk locations surrounding Atlanta, and END human trafficking



Ana
Leonardo



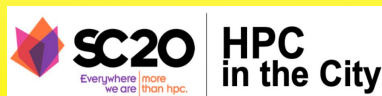
Hamza
Kassomou



Phiwat
Klomkaew



Rich
Asay



Kyanie
Waters





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Who We Are

- *“We only have two choices to do NOTHING or to do SOMETHING,” and so we chose to bring awareness to Human Trafficking and bring the change we could*
- *Our organization, Operation: Hack the Railroad has been working towards collecting statistics regarding human trafficking in Atlanta, GA to reduce these numbers*
- *Our goal is to END Human Trafficking*

Here are the 10 states with the highest rates of human trafficking:

1. Nevada (7.61 per 100k)
2. Mississippi (4.95 per 100k)
3. Florida (4.07 per 100k)
4. Georgia (3.88 per 100k)
5. Delaware (3.87 per 100k)
6. North Carolina (3.83 per 100k)
7. Missouri (3.78 per 100k)
8. Ohio (3.68 per 100k)
9. Texas (3.66 per 100k)
10. Michigan (3.62 per 100k)

STOP
Human Trafficking





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Scan and See the Website

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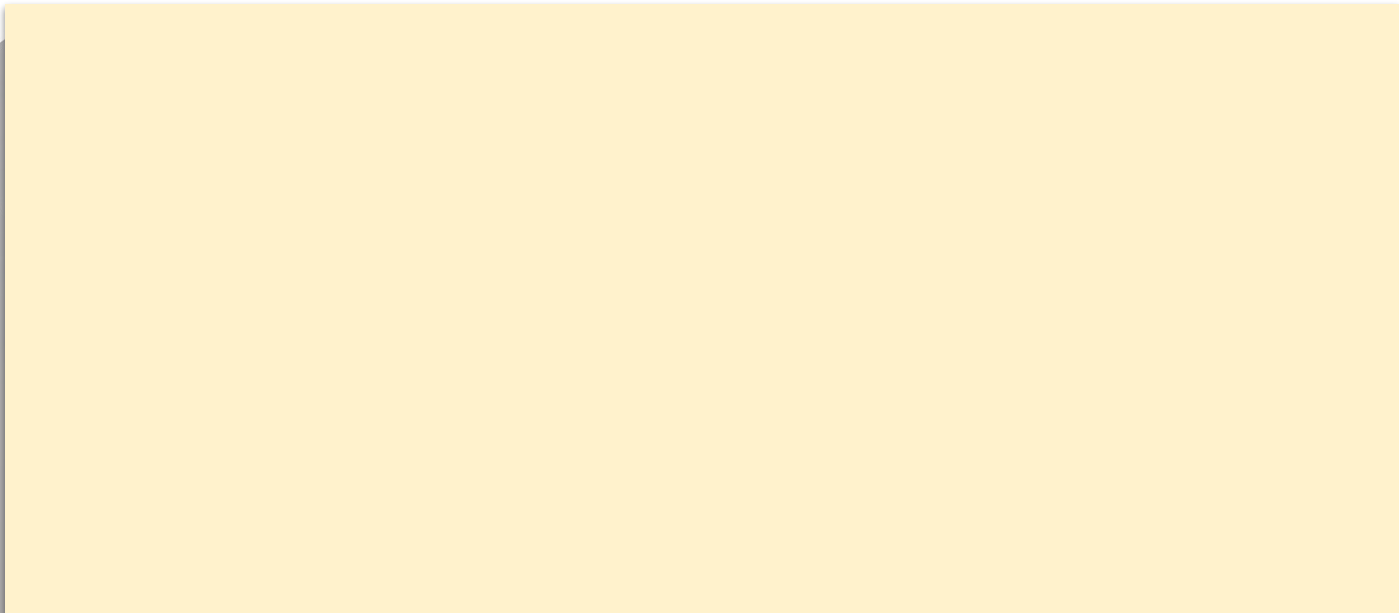
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Our Web Application





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Challenges

- *Lack of solid data from CJCC or DOJ for human trafficking*
- *We lost all the source code day 2*
- *Learned python, Jupyter, Cloudy Cluster, and Node JS in 2 days!*
- *Difficult integration of FBI Crime Data API into our web app.*





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Accomplishments: Learning & Impact

- *Learning:*
 - *Jupyter Notebook & Python3 packages on Cloudy Cluster platform to analyze big data*
 - *Virtual team work, collaboration and presentation skills*
- *Our Impact:*
 - *Visualize crimes in Atlanta and its vicinity*
 - *Collection of statistics and resources to educate users in the community*





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We came a long way with our UI Design

1st landing page: indicate type of personnel (law enforcement, social workers, parent) + info about human trafficking

2nd page: map with buttons on the side for users to select different variables and key for variable value range: each region on map changes color based on our data

for parents: recommended information - testimony of human trafficking victims

Key:

- Hotzone
- Safe

Rough design on Zoom Whiteboard

Background info on Human Trafficking

- if police officer click here
- if social worker click here
- if parent click here

if you want more info

Email

Show your story (provide feedback to search us)

Donate details

Polished design on LucidChart

Operation: Hack the Railroad.

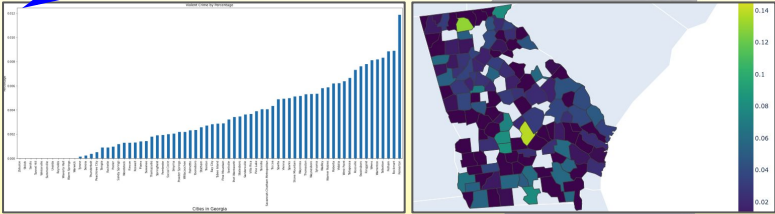
Human trafficking affects more than 50% of Atlanta's youth.

+63,380 HUMAN TRAFFICKING CASES REPORTED SINCE DECEMBER 2007

+276,654 CONTACTS SINCE DECEMBER 2007

+48,326 CONTACTS THIS YEAR

Webpage, graphs, heat maps





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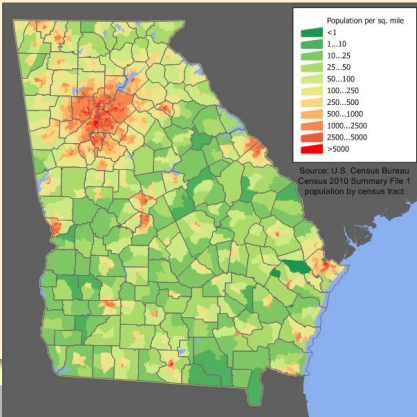


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Future Plans

- Use SQL database to collect survey information
- Upload heatmap and graphs on webpage
- Interactive features for heat map and bar graphs



1. Information Gathering Form

Use this form to gather information for your case study, such as your client's background, partners involved in the project, and active roles of the enterprise depicted in the solution. Once you have the information at your disposal, you will be in a much stronger position to begin your case study.

When completing the form, try to be as concise as possible and ensure that all contributors, e.g. customer/partner, have agreed to be mentioned before entering the website.

Case Study Details	
Job/ra Name	
Organization	
Key Contact	
Telephone Number	①-111-1111
Client's Details	
Client's name	
Company Name	
Telephone Number	①-111-1111
Address	① City of Partner ② Name of Partner ③ Name of Partner
Customer Details	
If this section provides a detailed overview of the customer, you can make it more relevant by including specific information.	
Customer's role in the project	
Describe the customer's role in the project and how it is related to the project.	



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Thank you! Visit our website to learn more about human trafficking.



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