

# Social Impact Statement


## Child Sponsorship and Analytics for AMG Guatemala

To be submitted to the Department of Mathematics and Computer Science  
Gordon College  
in partial fulfillment of the requirements for the degree of  
Bachelor of Science in Computer Science

by

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According to the World Bank, Guatemala is currently suffering from severe and widespread poverty with over 75 percent of the population living below the poverty line. This disparity has a huge negative effect on children who rarely get their nutritional, educational, and spiritual needs met. This is a problem, but with the help of AMG Guatemala over 8000 children are now getting the help that satisfies these basic human necessities through the donations of sponsors.

Our project will open a new branch of donated income via AMG Guatemala's own website. This website will cater to Guatemalans themselves who wish to better the lives of their country's children. By creating this function in the website we hope to quicken the process of fund distribution and support the future lives of these children in the process.

While there are no predicted negative impacts for this project when successfully completed, there are some potential negative impacts if the project is not completed successfully. If the project is not completed, Guatemalans will still be unable to support children through AMG Guatemala. If there are any issues with our project after its completion it may lead to mismanagement of donations or potential lost data, both of which would harm AMG Guatemala's donors and the children they are responsible for. To mitigate these risks we will be following very strict milestones throughout the course of this project and we will be in constant contact with the team in Guatemala to help catch issues early on in the development process.

The interest of the stakeholders in this project is to allow Guatemalans to support children in their own country. Furthermore, the stakeholders for this project would like to better utilize their to help them understand where best to focus their efforts. By providing Guatemalans the ability to support children through AMG Guatemala and creating analytics for AMG Guatemala to help them better understand the data they currently have, we will enable them to help more children and provide more assistance across Guatemala.