

Service-Learning Project Summaries

Engineering Project Management
Spring 2023

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Community Partners:
Afrimerican Culture Initiative
Bridge to Calculus
Elderly Housing Development and Operations Corporation
World Ocean School

Afrimerican Culture Initiative

Project Objective: Our aim was to increase community awareness surrounding the community segregation practices that have effects on communities in Boston to this day. We also aimed to author materials to support the organization, which provides locally focused restorative programs.

Methodology:

- Attend Redline85 campaign events
- Process data from social media platforms
- Compile a project research paper surrounding the Redline85 Campaign


Takeaways: Our team is happy to report that we feel we've successfully contributed to the organization's goals and supported our community partner. We also feel that the campaign was effective in informing us of some of the historical background of the city we're living in, and the concepts of restorative community projects.



Project team: Zaha Alzaabi, Jeffrey Bordengo, Aniket Halbhavi, Braeden Meandro

Community Partner: Marlon Solomon





Bridge to Calculus: Cross Cultural Collaborative

Team: Dylan Hutra, Hailey Pankow, Joel Willick
Partners: Rajini Jesudason, Ellie Schimelman

Working at the intersection of Bridge to Calculus and The Cross Cultural Collaborative, we helped develop and run a 6 week spring program. In this program, BPS students were able to connect art, culture, and data. Our work at the beginning of the semester was focused on recruitment through a form, slide deck, and poster. We also helped plan by putting together a budget. At the end of the semester, our time was put towards the program sessions themselves.

Bridge to Calculus: Communications and Fundraising

Jorge Batievsky, Harrison Burke, Juliana Castro, John Dume, Lucas Kirma, Ana Salichs

Goals:

- Help the community partners organize the semester events and support them with communicating with Boston Public School teachers.
- Look for fundraising opportunities for the organization that match the same values
- Organize calculus field day forms for the purpose of a smooth program.



What We Learned:

- Effective community outreach, such as reaching out to Boston public schools.
- Growing our communication skills through effective team work.
- Real world experience of project management techniques via a community based organization.
- Broader understanding of the communities around us.
- Working with a team that has the same goals and work management skills.

Semester Tasks:

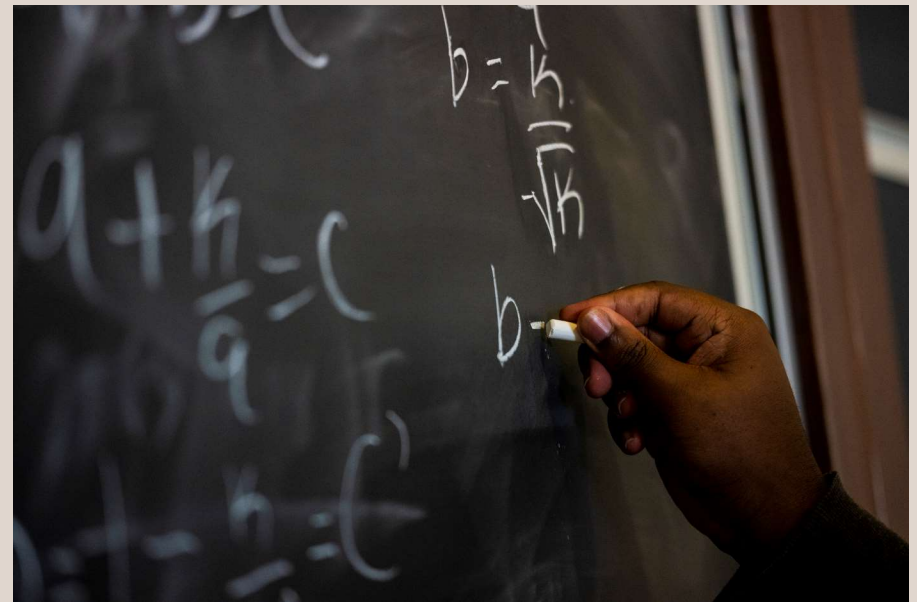
- Created promotional material (i.e., flyers and presentation) for the organization's semester event like Calculus Field Day and their Summer program. Helped in the registration process of these events by creating sign up sheets and contacting BPS teachers to ensure the process ran smoothly.
- Provided outreach to schools and students about events, as well as program reminders.
- File the various forms of volunteers and students into a Teams folder for easy access.

Bridge to Calculus: Website & Data Team

Team members: Jake Blachford, Celia Harris, Tim Shields

Summary

- Bridge to Calculus (BtC) provides events, tutoring, and help for students to be exposed to Calculus and have the resources to succeed in future math courses.
- This team assisted BtC in updating their website to provide important information to students and organizing registration data for BtC's records.
- The team enjoyed working with BtC and gained valuable project management experience.



Elderly Housing Development & Operations Corporation ("EHDOC")



Team Members:

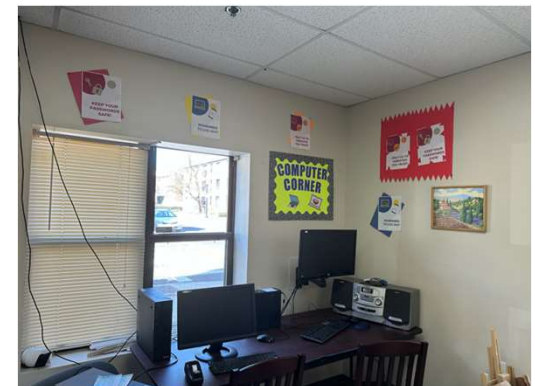
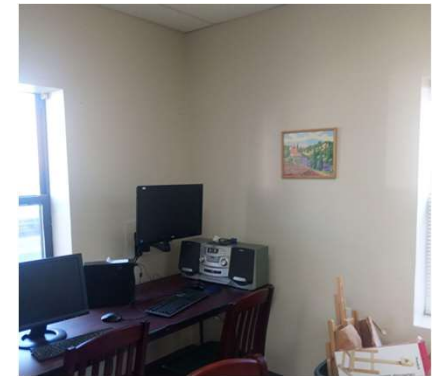
Carina Davis
Pui He
Anthony Hou
Nick Prah
Jada Wong

Summary:

For this service-learning project, we worked with the elderly community at EHDOC in Charlestown with the goal of helping them navigate the world of technology. We had group and one-on-one sessions focused on using personal electronic devices. The team updated and refreshed the computer corner at EHDOC, making it more accessible and user-friendly. We also created instruction manuals for technological services, enabling the elderly to better understand and use them. We were grateful for the opportunity to make a positive impact in their lives and make a difference.

Coordinators:

Tracy Campbell
Maggie
SextonDwyer
John Bleakney



World Ocean School

Summary:

The goal of the project team was to develop a method for World Ocean School to collect feedback from former students. In doing so, they wished to better **understand the impact**, in both the short and long term, **that their programs had on students' lives**. To achieve this, the team developed a series of survey questions based on the ASTO Theory of Change guidelines and tested various strategies for garnering responses. The team sent out over **2,500 emails** and made roughly 50 calls to both students and parents. While the results were rather underwhelming, the team believes their process resulted in valuable information for the client. If a similar project were to be undertaken in the future, there is a solid base of understanding regarding the **most effective approaches** and methodologies.



Community Partner: Eden Leonard (Executive Director) of the World Ocean School



Team Members: Cole Busby, Adeshri Chavan, Paige Farrin, Anu Gowda, Anders Narita