Assignments - CS6150, Computing for Good, Fall 2021

Professor: Santosh Vempala  
**UNDER CONSTRUCTION**

[Schedule](schedule.docx) | [Syllabus](file:///C:\Users\ciolf\GitHub\C4G\syllabus.docx) | [Public Site](https://computingcenterforsocialgood.org/c4g2/) | [Academic Calendar](https://registrar.gatech.edu/calendar)

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Grading (change per Course Outline doc)

* Project: 70% (reflection papers)
  + Milepost 1 - 33%
  + Milepost 2 - 33%
  + Project Deliverable Presentation - 34%
* Mid-Term Exam (paper): 20% - All readings/material from 1st half of course
* Participation: 10% - Canvas discussions participation, office hours, etc.

Project

**Description**

Your project may come from the [Potential Partners](potential_partners.docx) document; alternatively, you may select another organization. If you choose an alternative organization, please forward the following information to the Instructors Team: website URL, contact name, contact email, contact phone. Your project is expected to reflect a level of maturity consistent with a graduate program in computer science, and commensurate with the number of team members. The project assignment should be designed to mitigate one or more societal issues. The primary goal should be to increase good for society. This “good” is loosely described as improving one or more of the following issues:

* Hunger
* Homelessness
* Peace
* Environment
* Social justice
* Indigenous rights

**Team Formation Guidelines**

You may choose to work on the project as a team of one or up to 5 members. If you choose to work in a team, you are limited to a team of 5 maximum. Please post your intention to form or join a team in the appropriate Piazza thread. Each team is required to submit a weekly report for the duration of the project period. This period will be announced in Canvas. Any issues should be brought to the attention of the Instructors team early on. Please do not wait until the last minute to inform the Instructors of issues within the team.

*The Team Formation Process*. This is outlined in the steps below:

1) Instructors team - posts available projects to Piazza  
2) Students - post reply to the project with which they would like to work  
3) Project member – submits Milepost 1 Document to Canvas Assignments. NOTE: If you achieve the maximum number of students (5) allowed on a team, please post in bold font, at the top of the Piazza Project Thread, the word **Closed.**

*Milepost 1: Team Formation Process (33% of Project grade)*.

Your team’s Milepost 1 Document will be evaluated as shown below:

|  |  |
| --- | --- |
| **Category** | **Points** |
| Team name | 15 |
| Project lead’s name | 15 |
| Team members’ names | 15 |
| Each team member’s assigned duties | 10 |
| Description of the problem you hope to solve | 10 |
| How you plan to mitigate the problem | 10 |
| Challenges you anticipate | 10 |
| Achievements, if any, so far | 5 |
| Milepost 2 goals | 10 |
| **Total** | 100 |

*Milepost 2 Document: Field Evaluation (33% of Project grade)*

Your team will be evaluated by presenting the following questions to your client organization:

|  |  |
| --- | --- |
| **Evaluation Item** | **Points** |
| How well did the team solve your problem? | 50 |
| How sustainable/maintainable is the deliverable? | 20 |
| How accessible was the team lead and/or members? | 15 |
| If you decide to augment your technical staff, how likely would you be to hire a member/members of this team? | 15 |

*Final Deliverable (34% of Project grade)*

|  |  |
| --- | --- |
| **Category** | **Points** |
| Video | 50 |
| Poster \* | 30 |
| Accessibility\*\* | 20 |
| Report (submitted individually; please also see Schedule). |  |

*\*Poster.* This will be a digital conference-style poster that illustrates your project. Here’s a [guide](https://guides.nyu.edu/posters). Please feel free to post other references you found valuable to Canvas.

\*\*[Accessibility Resources](#Resources)

Mid-Term Exam (Reflection Paper)

The midterm “exam” is a reflection paper on the broad topic of ***sustainability***. **Further details will be announced on or around Monday September 20, 2021**. As listed in the Syllabus, it is **due on Sunday October 10, 2021 11:59 PM**. Please abide by the following guidelines:

* 5-8 pp single-spaced, 1000-2000 words
* Use any resources you would like (text, Google Scholar, etc.)
* Cite per scholarly best practices
* Include but do not limit your paper to the following categories on which you’ll be assessed:
  + Important general considerations – 40%
  + Stakeholder impact on sustainability – 30%
  + Examples of sustainability failures and their causes – 30%

Peer Review

During the project period, you are required to provide **two weekly project reviews** – one of your project, and at least one other class project (please see links in Piazza for project locations). Please provide *substantive* [constructive criticism](https://www.indeed.com/career-advice/career-development/constructive-criticism) of the project at its expected stage of development for that week. The above link provides a guide for what constitutes constructive criticism.

Resources (W3C)

Accessibility Evaluators

* [W3C Guidelines](https://www.w3.org/WAI/standards-guidelines/)
* [Level Access](https://www.webaccessibility.com/)
* [Wave](https://wave.webaim.org/)

[HTML Code Evaluator](https://validator.w3.org/)

[CSS Evaluator](https://jigsaw.w3.org/css-validator/validator.html.en)