

Portfolio build

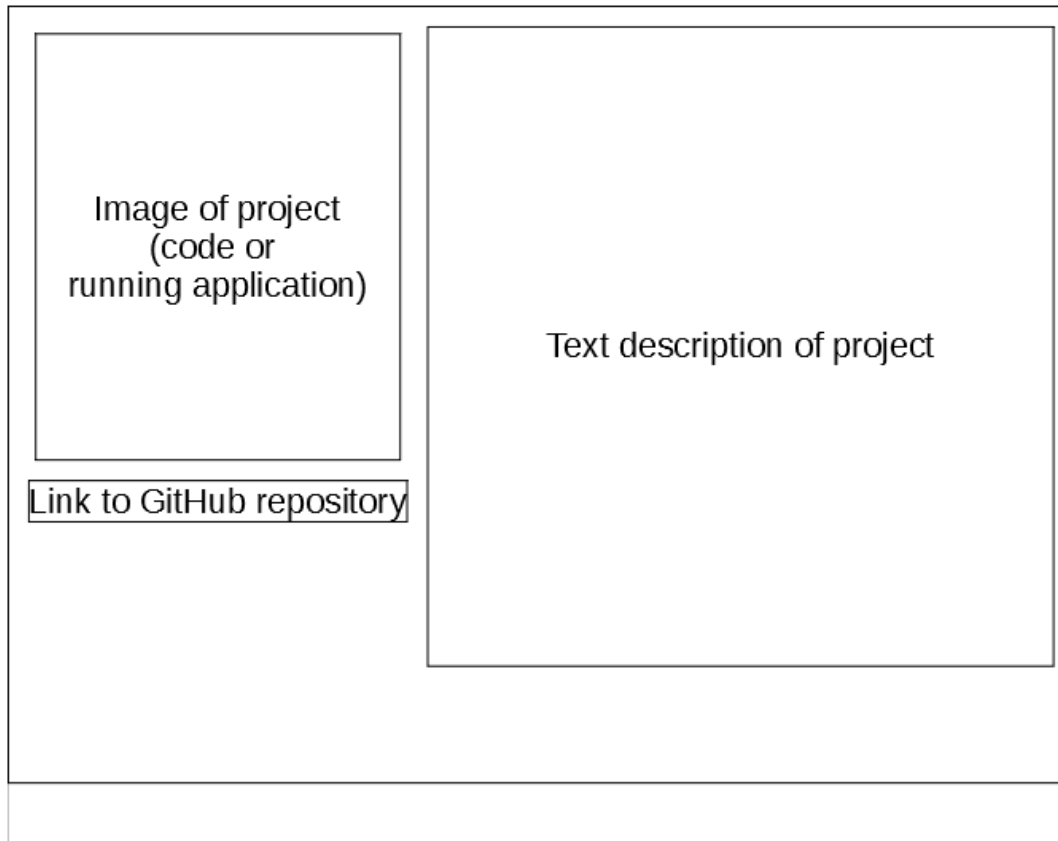
For my project, I want to create a website to use as a portfolio to show to potential employers. The website will contain different pages which will each contain a description of a past project of mine and a link to a Github repository that contains all of the source code for that project.

This project will include consolidating my past work on programming projects into a single Github profile to use as a personal portfolio and then creating a website that will contain links to each project, with a description of what it is. The Github profile will contain separate repositories for each of my past projects that have been completed throughout my college career and will allow future employers to see the work I have completed as well as the improvement in my skill over time.

The tools I will need for this project will include Github itself, Visual Studio Code, and Google Cloud Services. Visual Studio will be needed to make sure that my past projects are structured correctly in terms of file structure, and Github will be needed to host my profile and the repositories contained within. Most of my past projects are in C++ and C, with at least one being written in Java and a few being written in Python. I will need a Python interpreter (included when Python is installed on a computer), a C compiler such as GCC, a C++ compiler (g++) and Java in order to make sure all of my code runs correctly. Google Cloud will be the service I use to host my website, as self-hosting a website can lead to some issues with security and availability and Google cloud handles those things for the user.

In order to complete this project, I expect to spend some time (at least 6-8 hours) making sure all of my code for my past projects is accessible to me and able to be compiled or otherwise run. This step is important to the project because I can't do it without my source code being available to me. I then expect to spend between 12 and 16 hours uploading my past projects to my Github account and creating separate repositories for each project. After uploading all of my past work, I will spend somewhere in the range of 20 to 30 hours creating a website that will have links to different pages that will showcase each project and contain a link to the repository for that project.

Below is a rough outline of a project page to be included within the website:



As mentioned before, each project page will contain a description and a link to the GitHub repository that contains its source code.

Gauge Hartwell Portfolio
Links to each project, with one-line description of each
Project link: description
Project link: description
Project link: description
Project link: description
...

This is an idea of what the main page will look like. It will contain a headline to tell the user/reader what it is, and then there will be a list of links to each project page. As my GitHub profile updates with new repositories, I will be adding more links to this portfolio page.

This project is intended to be useful to me for the rest of my life. As I gain more experience, I will update and maintain the website to keep an ongoing record of my past work and my improvement throughout my career. My GitHub profile will mostly be populated with work that was done throughout my school career and with personal projects, but I feel that this will help to show my own personal interest in the work I do and that my skills will improve over time. In the future, I want to include source code for future projects involving a home server/homelab or a personal application to control smart home devices.