Website: Ethan Merrill

Project Plan   Ethan Merrill

The Ethan Merrill website will provide audiences with an overview of Ethan Merrill's personal and professional work. The site will consist of multiple articles of varying detail on projects and work experiences. The site will feature an interactive network diagram for navigation and to display the connections between Ethan's Experiences through common 'theme nodes' such as finance, environmentalism, programming, and more.

This project plan summarizes my plan to complete the Ethan Merrill website. It addresses the following topics:

- Audiences who will have an interest in the website
- Tools and resources I will use to build the website
- Outline of the main sections of the website
- Time frame for major milestones

Audiences

The website will address the following audience types:

- Primary Audience: Potential Employers
- Secondary Audience: Potential Clients
- Tertiary Audience: Those interested in a subject area in which Ethan Merrill has experience.

** Note: the ability to toggle the navigation of the site for different audiences may be desirable. For example, the homepage could open with a three point radio button selection such as: 'I am a: Recruiter, Client, other'. Depending on the selection, different parts of the network diagram would be centralized, larger or bolded. This could allow for segmentation of audiences, however it would also fragment the development of the site and will increase development time.

Primary Audience

- Arrived from link on resume, business card, or Linkedin
- Very time constrained
- Looking for information relevant to a position
- Usually an HR Employee who may not have much technical understanding
- Would like more recent projects to be more prominent
- Looking for a professional presentation

Secondary Audience
- Arrived from a freelancing site such as Pangea.app
- Looking for skillset relevant to their needs which may include:
  - Web development/coding
  - Computer Aided Design
- Knowledgeable about personal needs and desired outcomes, may not know how to get the final product they are envisioning
- Would prefer a formal presentation

Tertiary Audience

- Arrived from a web search or direct link to a project on a forum or external site
- Has a large amount of time
- Does not have a preference for recency of information
- Prefers informal writing

Tools and Resources

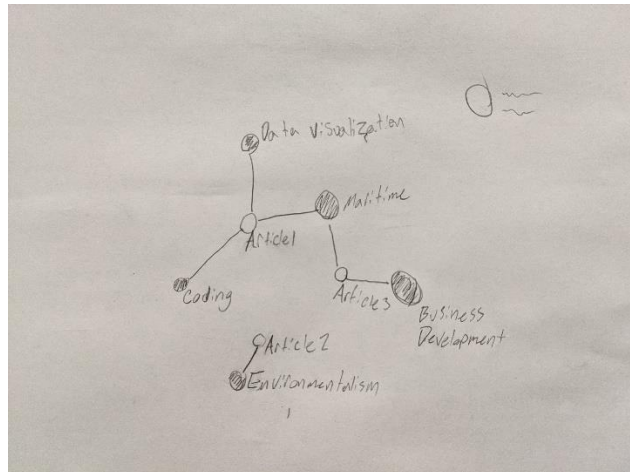I am planning to use the following tools and resources to build the website:

- Visual Studio Code: Integrated web development environment
- React: Open source web development Framework
- D3: Data visualization library developed by Mike Bostock
- Firebase: Cloud database and website hosting
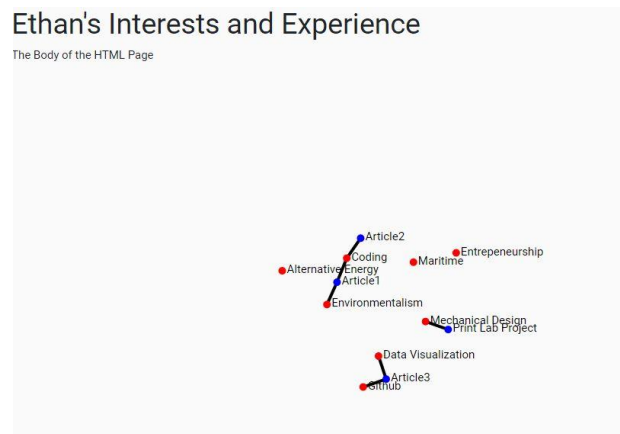
Ethan Merrill Outline

The website will include the following content:

- **Home Page:** The home page will include a network diagram which shows all the articles and hobbies/themes/interests as nodes. The articles will be linked to the hobby nodes by lines. Clicking on the articles will send the user to the relevant page. The articles and interests will be color coded. The page will also have a header with a photo of me and a few sentences about me. There will be a link to the fill about page at the bottom of the header.

  Initial sketch of site navigation and visualization:

Preliminary design of site navigation. This is a proof of concept and will be styled differently in the future.

- **About Page:** The about page will discuss A high level view of my background which includes my education, interests, hobbies, and what I love to work on.
- **About Project Page:** The about project page will discuss the course itself, the development process for the website, background on WPI's project-based learning, a daily work log of the site, project plan link.
- **Project Page Template**
    - *Relevant project Tags*
    - *Client or organization involved*
    - *Problem and background*
    - *Project Goals*
    - *Project Outcomes*
    - *Lessons Learned*
- **Project 1: ISO New England Summer Internship**
- **Project 2: WPI 3d Print Lab Process Improvement**
- **Project 3: WPI Sweet Website Building**

- **Project 4: Growbox Business Plan**
- **Project 5: Growbox Involvement Overview**
- **Project 6: Worclab Mask and face shield 3d Printing**
- (none of these projects are on my existing Wordpress site: ethanmerrill.com)

Milestones

The project will consist of many milestones with the following proposed deadlines:

Milestone	Deadline
System Architecture Diagram	04/17/2020
Homepage Styling including about me summary	04/20/2020
Develop a workflow uploading to hosting service and make a draft of site live at merrill.pw	04/22/2020
Develop project page template module	04/24/2020
Draft Project 1&2	04/24/2020
Complete proof of concept homepage with working links to project 1&2	04/28/2020
Complete drafts of project 1&2 and start project 3&4	04/30/2020
Complete project 3&4 start projects 5&6	05/05/2020
Complete project 5&6	05/08/2020
Complete about page	05/10/2020
Polish website	05/12/2020