Web application introduction

This is a web application that allows users to gain and share color inspiration ideas. Visitors can see all the palettes in the website and check out gallery to see where the inspiration comes from. After registered to the application, users can create their own color palettes, save other's inspiration to their likes, as well as editing and deleting their palettes any time. HEXa, RGBa, HSLa and HSVa color codes for each palettes are provided to users and visitors.

All images currently used in the web application comes from unsplash, a website that provides free high-resolution photos.

Following steps:

1. **Allow users to upload their own artworks when building palettes.**

Currently, the application only allows users to post an artwork from other resources by pasting the URL when they build a palette.

1. Allow users to delete their account.
2. Fix bugs

This website is only for personal use, not for business use. Please only use images that are free to use when building palettes.

**2021 Software Engineer Apprenticeship Short Answer Questions**

1. Why are you interested in an apprenticeship at Google?
2. What are you most excited about in the computer science space? Why?
3. How have you learned about the tech space?
4. At Google, we believe that a diversity of perspectives, ideas, and cultures leads to the creation of better products and services. Tell us about your background and experiences (e.g. volunteer work/club participation/extracurricular activities) and how they make you unique.
5. Tell us about your exposure to coding through technology or extracurricular activities.
6. Please rank your coding language in preference order (C++, C#, Java, JavaScript, Python).
7. Please rank your location preferences in order: Atlanta, GA; New York, NY.

My Answers:

1. Google’s friendly and flexible working environment is what I value most in my future career life. I am interested because the opportunity to work with Googlers to solve real life problems for more than one year is very attractive to me, especially when I just finished my own project and hope to move on into industry.
2. I am most interested in Frontend/Backend development. I love creating apps that are visually appreciated, easy to use and meaningful to people. Before I even started learning web development, I imagined my future Color Palettes App to be way fancier, with much more functioning than it is now. I would like to achieve it one day.

1. One main reason I applied to the graduate program with my advisor was because of the Phoenix bike fatality data web application she made. It allows users to input bike crash data and visualizes their location and crash severity. Although my thesis was nothing about making a web application at the end, I started watching some videos introducing web development and the concepts of backend and frontend. After graduation, I enrolled in the Udemy Bootcamp for a thorough education in web development.

1. In my spare time, I practice drawing, play some piano and violin, make some video editing and do some translation for Japanese shows. In the process of studying other’s works and creating my own work, I notice what I care the most is the use of details. Details may not be easily noticeable but they are what decide the mood of the creation and what bring people immersive experience. For instance, I add blur at the end of a progressively slow-motioned footage with the rhythm of music, then transform into another footage with the similar motion track. The editions usually last less than 1 second and are hard to notice, but they bring natural footage transition and visual appreciation. I would say my curiousness in both studying and creating details in a creation affects my way of thinking and creating and makes me unique.

1. My earliest exposure to coding was in a summer course in graduate school where I gained fundamental Java knowledge. When I graduated, I started using some free online courses and LeetCode to expand my knowledge in Java and data structure. Then I took a Udemy web development Bootcamp, learned JavaScript, HTML, CSS and RESTful routes and started working on my own project.

I developed a web application called Color Palettes, a project for me to learn new things by doing and at the same time combined with my interest in art. In this project I learned to use React to create reusable client-side components and connect them to backend routes using the axios package. One big success for me was to be able to narrow down the field and debug using multiple tools, ex. the Chrome dev tool, Postman.

1. JavaScript = Java  > Python > C++ = C#

1. New York, NY > Atlanta, GA