Hey Eliza,

Thank you for your email, I will try to answer those questions to the best of my abilities:

1. So, When I interned at Mozilla this summer (they are the guys behind Firefox), I worked on 3 very exciting projects. I am going to only talk about one of those: Password-Strength Checker for Firefox Accounts. So, this was an individual project and I was assigned the responsibility of designing and delivering this system.

This involved brainstorming new ideas with the User Experience team and also the backend team to find what was a good fit for the existing Firefox Accounts.

I had to develop a method to store over 50 million passwords and figure out a way to deliver this across the network for even low configured systems and slower internet connections.

I ended up using a bloom filter to store the passwords and using a combination of Regular Expressions to achieve this.

I have a very good presentation of what other stuff I worked on at Mozilla, and it would be great if you could check it out:

<http://air.mozilla.org/Sai_Prashanth/>

The video is barely 12 minutes, but it is crammed with information :D

I consider this to be a very significant project because, this feature has been shipped to approximately 15% (90 million users) of the Firefox user base (600 million users), in Firefox train 41 :)

1. I have been developing websites since I was in high school, the reason I am stating this is because I was developing at a time when Internet Explorer 8 and Mozilla Firefox 4 were the latest browsers, and when JQuery and Google Chrome were not even in existence. I know how to do the box model hack, how a \* hack works, how to create fallbacks for CSS styles, how to safely write polyfills in JavaScript for unsupported features, how to use PIE for older internet explorers, how to use conditional statements in IE, and how to leverage JQuery to ensure that older browsers do not crumble.

I co – founded a startup in my 3rd year of undergrad, and have developed around 18 websites for clients till date. I am very good at Responsive Web Design (RWD), and can design a website to run across any resolution/device.

I have used both the “Progressive enhancement” paradigm and the “Graceful Degradation” paradigm, in fact, almost every website I have ever built has been cross-browser, and I provide once such example here:

<http://spctester.web44.net/HTML5-Expts/Chain%20Reaction/chain.htm>

This is a port of the famous Chain Reaction game, built purely with HTML, CSS and JS, and runs on almost any modern browser (FF 16+, Chrome 3+, IE 8+). If you look at the source code, especially the CSS, you would find lines like:

<code>

-webkit-box-sizing: border-box;

-moz-box-sizing: border-box;

box-sizing: border-box;

-webkit-transition: all 1s;

-moz-transition: all 1s;

-ms-transition: all 1s;

-o-transition: all 1s;

transition: all 1s;

</code>

These were specifically written so that the game runs on many different browsers with the same graphical effects, and degrades gracefully on systems that don’t support those effects.

I also encourage you to check out my GitHub repo, which has over 500 contributions in the last year, and most of them (about ~70%) are websites or web apps. 🡪 github.com/TDA

I currently have a 94 day streak going on, and you can quite easily see the type of code I write and its quality.

1. Full Disclosure: I have a profound dislike of Content Management systems like Drupal and Wordpress as they add unnecessary bulk to a website, however, having said that, they also provide a very easy, simple and intuitive interface to create and manage websites. I learnt how to use CMS’ from a FOSS (Free and Open Source) workshop. In this particular workshop the focus was on Drupal, however I have also dabbled with Wordpress, and I find the two quite similar.
2. As I previously stated, I do not prefer using CMS’ systems for sites that I develop for clients, unless they specifically ask for it. I want to showcase a website that I created with a CMS (which was also developed by me for this particular client), it makes use of server side templates, and allows the owner/admin to add products, etc. and the site would automatically add those to the Database, and update the front end. Due to signing an NDA, I cannot give the URL of their website, however I can show you a live demo of the site on my personal test server:

<http://spctester.web44.net/spc-angcer/Prasanna-Ceramics/index.php>

I would like to add that this site is almost 3 years old now, so might not use some modern features, and is not fully functioning. It is only a demo site.

In case you are interested in looking at other websites of mine, this is the URL for my startup, it might be down for maintenance right about now (as one of the other founders wanted to work on some backend issue), but it should be back up and running by tomorrow :) 🡪 [webgyorwaves.com](http://webgyorwaves.com/)

I wrote the stylesheets for this website myself, and I can assure you it will work on any kind of device (tablet, laptop, mobile, desktop), with any resolution (qHD, nHD, fHD, 720P, 480P) and on any modern browser. I personally tested this across at least 15 devices and every reasonable resolution.

I look forward to hearing back from you, and would like to thank you once again for this opportunity :) Hope you have a great week!