

## **Node.js**

Node.js is a server-side web application/framework and it's known to be an open source, cross-platform for coding/web development. Although Node.js isn't a JavaScript framework, it does contain applications written in JavaScript. These applications can be ran by using Node.js' Runtime on various platforms, such as, Linux, Microsoft Windows, OS X, Etc. Node.js serves as a "wrapper" for JavaScript Runtime. Node.js is written in c-code, therefore it is very fast and sufficient for the user. I selected Node.js because I have heard about this particular framework from one of my previous classes and was interested in learning more about it. I would like to create/develop a web application one day in the future and seeing as how this framework has a built in library of its own to allow applications to act as a stand-alone web-server, I feel as though this framework may be resourceful for me to use. I would also like to build a Websocket server, which is basically known as a "chat" server. This will allow the user to send messages back and forth to other users while remaining in the same server. A great example of this would be Facebook and the chat box located at the very bottom of the screen. With Facebook, you have the ability to click on the "chat" button, which will enable you to see a list of your friends and will allow you to send them a message by clicking on their names. I would also like to use Node.js in order to build a File Upload Client. A File Upload Client enables the user to upload a file to a server. The file could be large or it could be small depending on the file size allotted. A good example of this would be Instagram. Instagram was practically built for this very reason. Instagram and other websites similar to it give users the ability to take images/videos and upload them to their page in a matter

of seconds. In order for the File Upload Client to be convenient for the user, however, it must be simple to use and very fast. Lastly, I would like to build an Ad Server with Node.js. An Ad Server is an image created for a company and/or website that is seen on the left/right hand side of a webpage. The images that are used for these advertisements must be fast while moving in and out of another webpage. This is made possible by using Node.js. A good example of this would be any advertisement found while browsing a popular website. Notice as to how they typically shift out very quickly and another ad appears soon after. Websites that contain tutorials/documentation/blogs of this framework include [Tutorial's Point](#), [Node School](#), and, [Code School](#). Websites that were built using Node.js include [Walmart](#), [Paypal](#), and, [Yahoo](#). The source for Node.js can be found at [Nodejs.org](#). This website allows the user to download the latest version of Node.js as well as provide information about Node.js and how it works.