December 14, 2022

For our job of choice we chose software engineer. The first reason why we chose this job is because it was interesting. The second reason we chose this job is because it gives us better knowledge in software design, how to create computer systems, and applications to solve real- world problems. The third reason we chose this job is because it makes $92,216 per year. The fourth reason we chose this job is because we want to help people solve their problems.

A software engineer is a person who designs digital web platforms and website platforms for websites to be made and published on. They test web platforms to make sure they’re not buggy or have viruses. They write code and test it to make sure it functions properly without any problems in the system or the web page. Software engineers created website browsers like Google, Bing, Safari, etc. In order for software engineers to create websites, they must work with programming languages like HTML, CSS, and Javascript. Software engineers use the website Google to answer questions. At NASA, software engineers play an important role. They make sure the rovers, satellites, and unmanned rockets get to their intended destination and do the job they were programmed to do. Software engineers also build the platforms for gaming websites like Steam and Roblox. Software engineers also code the consoles, PC, and phones that those games are played on. Some popular examples are XBOX, Playstation, Nintendo, NVidia, Apple, and Samsung. Software engineers make the platforms that those games are made on like Unity, Unreal Engine, Genvid, and etc. Software engineers make code for cars as well. The part that they code mostly is the touch dashboard that allows the driver to play music, look up directions, and even talk to other people. The most important role for their part in car making is the safety features within a car. Software engineers also make the autopilots for planes, helicopters, and anything else that flies. Software engineers also make the code for some military equipment like UAV, EOD bots, and more. They also code robots for search and rescue missions that humans or big vehicles can’t go.

In order to be a software engineer, you must at least have a bachelor’s degree in programming skills and tech. There are 1.63 million software engineers in the U.S. today. In order to be a software engineer apprentice, you must have the right to work in the US, not undertake any other work or schooling during the apprenticeship, have demonstrated interest in coding through personal, academic, or professional projects, and have a high school diploma, GED, or Associate Degree. Before you get your degree, you have to go through this camp called Coding Bootcamp. Once you're done with that you have to get certified by a professional at the company you want to work for. The skills you need to have to be a software engineer are computer programming and coding, software development, object oriented design, software testing and debugging, problem solving and logical thinking, written and verbal communication, teamwork, and find a home for your software engineering skills.