

Career Research Summary

Software Engineer - Madison Lucey

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Career Description

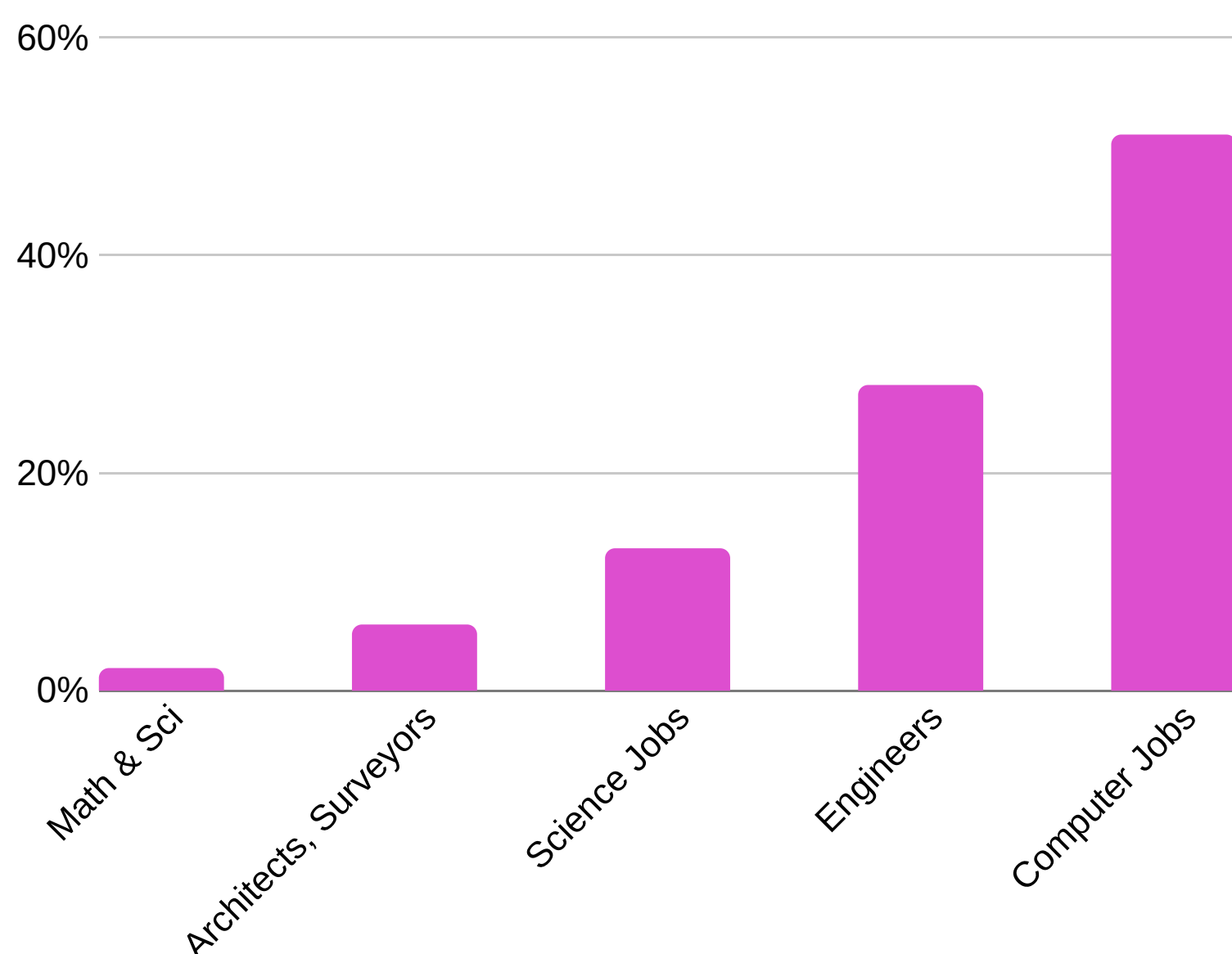
I plan to become a software engineer at Amazon. Typically, software engineers work as part of a team creating software and writing code. They spend a significant amount of time analyzing problems and code structure with the use of diagrams. Depending on the work environment, they may meet with clients, business owners, and their supervisors. Often times, their work schedule is flexible.

Qualifications

Skills needed as a software engineer include programming, an understanding of algorithms, and an ability to solve complex problems. The typical entry-level education is a bachelor's degree in computer science or a related technical field (Bureau of Labor Statistics, U.S. Department of Labor).

STEM Occupations 2018

Source: University of South Carolina



Salary & Outlook

As of 2018, software developers median pay was \$105,590 per year which is \$50.77 per hour. There are over 1,365,500 jobs available for software engineers (Bureau of Labor Statistics, U.S. Department of Labor).

The software engineer job outlook between 2018 and 2028 is a 21% growth which is much faster than average (Bureau of Labor Statistics, U.S. Department of Labor). It is a necessary career given that current and emerging technology are expanding at an ever-increasing rate.

"...by 2020 there will be 1.4 million computer-science-related jobs available and only 400,000 computer science graduates with the skills to apply for those jobs... Information Technology (IT) workers have been estimated to earn 74 percent more than the average worker" (Kalil and Jahanian).

Obstacles

Since computer programming can be done from any location in the world, an obstacle for my career path is that some employers outsource work to countries with lower wages.