

Software Developers are Changing the World

There are many skills used in competitive robotics that can be applied in helping prepare for a career in the field of software development. For example, programming and coding are very helpful applications needed for program design. Along with these skills, you will need to learn teamwork and time management. When building, planning, and competing in robotics we also must learn problem solving skills. A website we found, listed many examples including those mentioned above, as well as excellent organizational and time management skills. All of these things can be learned from being a part of a competitive robotics team.



To become a software developer you need to have experience in coding, technology, and it is very helpful to have self-development skills. A bachelor's degree in computer science or a software engineering degree is recommended. Besides having an educational background, skills learned from being a part of a robotics team will be useful in the real world. Problem solving and teamwork are a must for competitions. Robotics can be useful in helping us become software developers. Along with hard work you could exceed exponentially.



[How to choose your career path as a software developer](#) this picture shows a computer with a lot of tech coming out of it

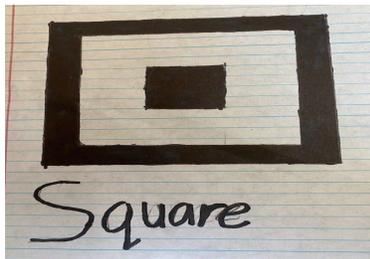
Our team is influenced and inspired by Jack Dorsey in many ways. He has created things like Twitter, a social media app where people from around the world can share experiences and Square, an all in one business software that can help with things like payroll, cash register, menus, and many more. Square has been very beneficial to small businesses in that you can access everything you need to complete a successful sale from your cell phone or tablet.

Jack was born in St. Louis, Missouri on November 19, 1976. Jack also became interested in computers at an early age of 14. His early love for computers led him to build a software for taxi companies to use, and this software is still in use today! By the age of 29 he had co-founded Twitter.



[Twitter 'fits perfectly' in India, says CEO Jack Dorsey](#)

He has really inspired our team because he didn't let anything get in the way of success. He may not have a college degree but he is very accomplished and is successful in his field of software development. He is also really generous! For example, he recently donated \$1 billion dollars to Covid-19 relief and has founded many other charities! Social media and small businesses may have never been what they are now if Jack Dorsey didn't have such a huge influence in the technical world.



Above is the square and twitter logo. The square logo was drawn by Kayden Brennanon. The twitter logo was drawn by Kamden Barton.

One of Jack Dorsey's major beliefs, according to goodreads.com "Everyone has an idea. But it's really about executing the idea and attracting other people to help work the idea." We feel that this belief will not only help us in our careers, but also is something that we learn everyday in robotics. As a team we come up with a plan or idea and execute it by applying it to our robot or coding. Alliances are made with other teams at each match to work together and execute a plan. Without teamwork and executing the idea most challenges crumble. Changes are being made everyday in the world of technology. We believe in the next 10 years software

development will become much more challenging! Our generation uses technology on a daily basis and it is in almost everything we do. Even school is online, this year we have E-books instead of textbooks. We believe that because of how much technology our generation uses, we have a natural headstart on most STEM careers including being a software developer. We see technology evolving far beyond our expectations. A good example of this is A.I. replacing humans. Workers in supermarkets such as Walmart, Target, H.E.B, and Krogers are slowly getting replaced by software technology. Now when you go to the store most checkout lanes are self checkout computers. Amazon has become the new way to shop and order groceries through an app that has been huge since Covid-19 started.



Using Amazon you can have pretty much anything delivered to your front door.

<https://www.amazon.com/Amazon-Amazon-com-eGift-Cards/dp/BT00DC6QU4>

Secondly, we see military soldiers and commanders being replaced by drones and robots one day in the future. By doing this we can protect the military and citizens' lives on the ground. Finally, medical technology may be replaced

by A.I. or, at the least will increase how useful it is, such as surgical equipment and other surgeries in general. We are already using 3D printers in many ways. It is possible that doctors will be able to replace limbs and organs this way.



Will robots with A.I. replace humans? Body parts have created using 3D software

https://miro.medium.com/max/840/1*PJXIQIts3GgzBZYty8ljbQ.jpeg

<https://www.3dnatives.com/en/bioprinting-projects-3d-printed-organs-070420205/#!>

UTMB, a local teaching hospital, has MakerHealth Space where UTMB teams can design, build, and create prototypes using 3D printers. Technology in general will expand and become more of a way of life. We also have social media that has grown over the years and plays a huge role in people's lives.



This picture shows a UTMB Maker Health Space labroom <https://www.utmb.edu/maker>

Everything is done through social media such as, selling and buying items, dating, keeping in contact with your families and interacting with the world through a digital screen. Everyone uses social media in the world we live in, you, your children, your grandparents, teachers, even the president. All of this leads to a virtual escape of reality. Another example of this is gaming. We see gaming expanding and maybe merging with social media to create an alternate type of reality in which we can be who we want, wherever we want.



There are millions of apps to choose from to use in your everyday life.

<https://contentwriters.com/blog/does-it-make-sense-to-keep-inactive-business-social-media-accounts-open/>

Just like the virtual world, maybe our cars will be upgraded to the point where we have flying cars. We already have self driving cars so this concept is really not too far from our dreams of advanced technology. We feel like even our ways of identifying ourselves will change. Technology has people using face recognition on their phones, using face recognition allows us to unlock our phones, pay by virtual wallet, and many other ways. Which we believe will help reduce identities being stolen and fake ids.



<https://www.etsy.com/sq-en/listing/619555051/future-software-developer-at-work-kids>

In conclusion, we think that robotics prepares you to become a software developer. It provides an introduction to some of the essential skills needed for becoming a software developer. There are some influential people that we found to help inspire us. This helps us to start a career in software development, and we think that it would be a very interesting job to have.

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Websites we have used:

https://www.google.com/search?q=software+developer&rlz=1C1DVJR_enUS822US822&sxsrf=ALeKk02cXZDuTU6g_dJekWV5uTIqlbCQzQ:1597682885399&source=Inms&tbm=isch&sa=X&ved=2ahUKEwj4uPG2KLRhAhUI2qwkHRthC40Q_AUoAXoECBYQAw&biw=1536&bih=754&dpr=1.25

<https://www.learnhowtobecome.org/computer-careers/software-engineering/#:~:text=Curriculum%20focuses%20on%20the%20core,minimum%20degree%20preferred%20by%20employers.>

[There Are 19 Million Developers Worldwide, Only 13 Million Pros: Study](#)

https://www.google.com/search?q=jack+dorsey&rlz=1C1DVJR_enUS822US822&sxsrf=ALeKk036XAd43kP6WMGRzCBnt8AGqiX1Ng:1597788851469&source=Inms&tbm=isch&sa=X&ved=2ahUKEwi0v6un46XrAhUBUa0KHVFAB6wQ_AUoAnoECCEQBA&biw=1536&bih=754

[What education do you need to become a Software Engineers and Designers?](#)

[What Is Square? How Square Works & Why Small Businesses Love It](#)

[Who Invented Twitter?](#)

[Twitter 'fits perfectly' in India, says CEO Jack Dorsey](#)

<https://study.com/>

https://study.com/articles/Software_Developer_Educational_Requirements_for_a_Computer_Software_Engineer.html#:~:text=Most%20computer%20software%20development%20jobs,in%20physics%20is%20also%20required.

<https://contentwriters.com/blog/does-it-make-sense-to-keep-inactive-business-social-media-accounts-open/>

<https://www.utmb.edu/maker>

<https://www.3dnatives.com/en/bioprinting-projects-3d-printed-organs-070420205/#!>

https://miro.medium.com/max/840/1*PJXIQlts3GgzBZYty8ljbQ.jpeg

