

# Welcome to my Vex STEM Career Readiness Presentation



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**I chose  
“Software  
developer”**



## **I chose this course because,**

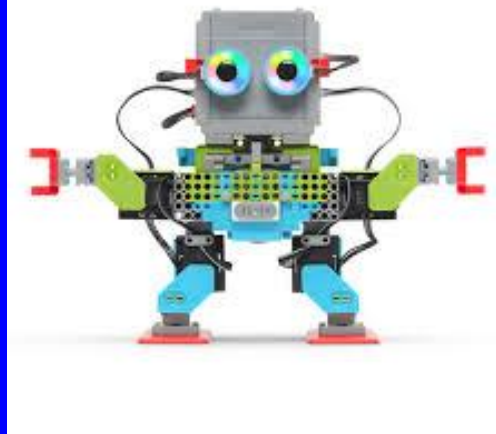
They help people with their software problems. That might seem strange and basic right? Well for me I've never been good at helping people with emotions and such, so helping someone with something I know about helps me feel like I make a difference. Also being able to look at a program and understand it sounds awesome.



# **Collages**

## **You see,**

I had an experience that made me want to join a college that's known for its software course. In fifth grade, my class went on a field trip to Butler University and I found their courses and their campus fantastic! Even a student majoring in software development talked to us about the school! Other colleges that are known for their courses are Rose-Hulman Institute of Technology, Indiana Wesleyan University-Marion, and Indiana Institute of Technology.



# **The involvement in robotics**

## In robotics, you need to

Work as a team to create, debug, and test the robot so it is ready to be competed with. When you're a programmer you learn how to create programs and fix issues within the programs. Both of these things relate to software development as you need to analyze users' needs, design, test, and develop software to meet those needs, recommend software upgrades for customers' existing programs and systems, and design each piece of an application or system and plan how the pieces will work together.



# Skill set

# Some skills you will need

to go into software engineering is a bachelor's degree in software engineering and development. As Well as computer programming and science. Plus a programming-centric field of study. When you're in robotics you can learn a few basic programming languages depending on what you do exactly. People that want to work in this field have to have other skills outside of these. Some of the skills needed are problem-solving, an open mind, communication, diligence, and disciplinary skills. In my two years of working on the robotics team, I have learned these skills by working with others on the robot, driving challenges, and staying calm when we were short on time.



# What about the future?

**I think in about 10 years,**

We will start learning how to make full dive gear to go into virtual reality. Now that sounds like something out of a movie or anime, but we all thought VR wasn't possible. Then they made AR (Augmented reality) and then VR. So why not make something to put our consciousness in a game!



**Well known  
people**



# Honesty is the best policy

so I didn't know any well-known software developers so I looked it up and found some interesting people. Such as Linus Torvalds, Jack Dorsey, and Bjarne Stroustrup. Linus Torvalds is credited with creating both the Linux and Git systems. The Linux system is the same kind of system as IOS and mac OS but with its changes to things. The git system is a control system that tracks changes in source codes. Jack Dorsey is known as the founder of Twitter. Bjarne Stroustrup is the creator of the programming language C++. C++ is a general-purpose programming language.



Linus Torvalds

Adam Augustyn, Linus Torvalds,  
britannica, britannica



Jack Dorsey

Isobel Asher Hamilton, Katie  
Canales, TWLOBTCJDWEOM  
ADHFAOAINCUAACHTTO13  
OHPTABI, Jul 25, 2020



Bjarne Stroustrup

Top Global University Project: Waseda Goes  
Global - A Plan to Build a Worldwide Academic  
Network that is Open, Dynamic and Diverse, A  
8, 2018, Waseda University

# Thank you for taking time to go through this.



## Works Cited

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