



STEPS

Engineers Week

29 Feb - 6 Mar 2020

What/who first got you interested in engineering?

Mathematics was always my favorite subject. I had a keen interest in math's compared to any other theoretical subject in my course. So, I thought of engineering which is nothing but calculations!

Why did you choose electrical engineering over mechanical?

I think it's more interesting than mechanical. Electricity is something which we all use in our day to day life's. So, it requires extra attention to keep up and running.

What has a career in engineering allowed you to achieve?

I learnt a lot from the very first day I started in engineering. Engineering has allowed me to gain a deeper insight into processes that occur around us in our daily life.

What advice would you give young students considering a career in engineering?

If you are in school, pick your favourite subject and dive deep to see if there are career opportunities within that field. Getting an internship is perhaps one of the best ways to find out if the field is right for you. Also, ask your teacher about possible career opportunities in your chosen field.



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What/who first got you interested in engineering?

I have always been curious about understanding how things work. Plus, I was very good at Maths and Physics in school, so I believe that gave me an extra motivation to go towards engineering.

Why did you choose electrical engineering over mechanical?

It was because I believe it is more challenging, more abstract. Mechanical properties you usually can literally see them, but most of electrical properties are abstract and you need to imagine more in order to understand the whole thing.

What has a career in engineering allowed you to achieve?

Any engineering degree gives to a person a different way to view things, plans and problems in life. I guess you start thinking more logically and makes you think more about consequences that certain actions can lead to.

What advice would you give young students considering a career in engineering?

The first two years are very abstract, and you probably will not understand why in the hell you are learning all those mathematical tools. But, after that it all starts to make sense and if you will figure out whether you have chosen the right area or not.



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What/who first got you interested in engineering?

My Dad Tony. He's a multi skilled, Electrical, Mechanical Manufacturing Engineer. My son Dylan gave me the push I needed to go for it, as he was interested in Computer Engineering and attending Coder Dojo since he was 8, but also with Asperger, Dyspraxia and ADHD I knew if he was going to succeed in following his goal of becoming an Engineer, he would need help that only someone who has done the course could give him, so I went back to college to study the course he is now studying, the experience I gained definitely helped him.

Why did you choose electrical engineering over mechanical?

I just fell into this area as I had other skills that were of value to the Electrical Engineering company I work for. My father is an Electrical Mechanical Engineer in the Manufacturing industry and I was exposed to areas in residential electrical installation work to large manufacturing. From a very young age I was helping him with his work. I became an Engineering technician in the factory at 16.

What has a career in engineering allowed you to achieve?

My ability to be a good role model for my children was very important, for them to witness the work I put into studying, for them to experience what that took, and to show that no matter what your circumstances are you can achieve your goals. My eldest son is now studying Electronic and Computer Engineering in the same course and college I studied in.

What advice would you give young students considering a career in engineering?

Be organised, don't leave assignments till last minute, get them done the day you get them, print exam papers at the beginning of the semester and read them so you can answer them as the topic comes up in lectures, Form study groups. Avail of the help that's on offer wherever you can. Keep your life outside college simple, in order to maintain focus and commitment. Engineering is a very consuming area of study, I witnessed many students failing or dropping out due to juggling part-time jobs, or socialising too much, you need to be highly committed and motivated to study this area. But it is so worth it.



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What/who first got you interested in engineering?

I loved math's, physics and applied math's in school, I wanted to study something where I could continue to be challenged and learn in these areas. I viewed engineering as a career in which a person could have real, measurable impact in their field and in society and this appealed to me.

Why did you choose electrical engineering over mechanical?

I studied Mechanical Engineering in university, coming towards the end of my degree, I felt that electrical engineering would be more suitable as my interest moved to power systems and particularly, sustainable energy.



What has a career in engineering allowed you to achieve?

It has allowed me to simultaneously improve my technical and interpersonal skills as engineering is a combination of solving complex problems and dealing with people and the practicalities of what is achievable on a site or in a workplace.

What advice would you give young students considering a career in engineering?

Engineering is definitely not all about math's and academic ability. There is far more engagement with other people and working in teams than is usually perceived.



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What/who first got you interested in engineering?

Physics class in secondary school and a general curiosity regarding how things work.

Why did you choose electrical engineering over mechanical?

More interesting. Broader and deeper subject matter. More challenging.



What has a career in engineering allowed you to achieve?

Since graduating, my career in engineering has allowed me to work both in Ireland and in the U.S. on a wide variety of projects, from high rise towers, hospitals, college campuses, museums, pharmaceutical plants, data centers, industrial facilities.

What advice would you give young students considering a career in engineering?

Curiosity is key. The learning doesn't end when you graduate, it only starts. Put yourself in situations where you are exposed to a steep learning curve as often as possible. If it isn't hard, it probably isn't worth doing.



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What/who first got you interested in engineering?

It's funny because who got me interest engineering is myself, I had a big curiosity about electrical energy.

Why did you choose electrical engineering over mechanical?

I have always been interested in Electrical Engineering. Because growing up in Nigeria we saw power cut/outage constantly and we hardly go a day without seeing a power cut. But when I look at other developed countries, they hardly have power cut events. So, I decided to study electrical engineering in a western country to understand how they manage their electrical power systems compare to how we manage it in Nigeria.

What has a career in engineering allowed you to achieve?

I have been able to achieve my dream not just by knowing how an electrical power system can be managed to ensure reliability but also, I'm able to utilise that knowledge on a day to day basics helping clients in critical load industry to manage their electrical infrastructure, to ensure safety and reliability.

What advice would you give young students considering a career in engineering?

Engineering is important because it allows you to participate in problem solving activities that benefits a lot of people. Using myself as an example I hope to go back to my country one day and contribute in improving the country's electrical power network.



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What/who first got you interested in engineering?

As a 90's kid computer & video games, television, vehicles and electrical appliances. The design and technology involved to make these things work was the first thing that crept into my mind and that got me interested in engineering.

Why did you choose electrical engineering over mechanical?

It always astonished me on how electricity is created and how the stuff works. Even the electrical appliances which have become a part of our life. This made me to choose electrical engineering over mechanical engineering

What has a career in engineering allowed you to achieve?

Due to the complex nature of the work and the challenges that is in it, I have acquired a lot of knowledge through learning, guidance and the work I got to do and I got to see various kinds of technologies which has helped change the world.

What advice would you give young students considering a career in engineering?

I would ask them first are you taking it just to get a job, or some friends recommended it to you, or do you have the passion to learn and get to know the stuff. What are your interests in the field? Try to follow your interest when considering doing engineering, without having a passion to learn and understand, you will not thrive and enjoy what you are going to do as an engineer.



What/who first got you interested in engineering?

I was curious about the electricity and what's behind the switchboard. This made me to choose the engineering as my career path.

Why did you choose electrical engineering over mechanical?

I have chosen electrical engineering with my own interest. I can't imagine the world without electricity and only with combustion engines.



What has a career in engineering allowed you to achieve?

I love my profession and most importantly being an engineer, I have self-satisfaction that I am serving the humanity through my tiny work. And of course, my passion gives me everything which I needed (money, recognition etc..) to live my personal life peacefully.

What advice would you give young students considering a career in engineering?

Follow your passion. If your dream is to become an engineer, I would say you have enough interesting stuff to learn and apply to the practical world. Engineering is an interesting and responsible career choice.



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What/who first got you interested in engineering?

My Father was an architect, at his time he had to draw on papers using rulers and wide range of special drawing pens and tools. When I was kid, he was demonstrating how to apply some of mathematics theories and rules that I got in school in his projects and drawings. Also, Mathematics and Physics were my favorite classes at school.

Why did you choose electrical engineering over mechanical?

I found my love for computers when I got my first one. Later, I started to gain interest in IT and networking and how to let different devices/systems connect with each other and transfer any kind of data.



What has a career in engineering allowed you to achieve?

My career in engineering allowed me to work in different countries and a wide variety of projects. It gave me the opportunity to travel, work with engineers, clients, managers from different backgrounds and cultures.

What advice would you give young students considering a career in engineering?

Be curious and creative. Improve your problem-solving skills.



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What/who first got you interested in engineering?

Currently working in the electrical industry, I went to an open day in DIT and decided to do a course in electrical engineering.

Why did you choose electrical engineering over mechanical?

I was an electrician when I decided to get into engineering, so this seemed like the obvious choice.

What has a career in engineering allowed you to achieve?

I have achieved a lot more than I ever thought I would have. I have an in-depth knowledge about electrical power systems and safety. This has allowed me to build a good career and provide job stability.

What advice would you give young students considering a career in engineering?

I would highly recommend anyone to take on a career in engineering. There is a lot of interesting job opportunities in a lot of different engineering disciplines. Before you decide to commit to a degree in Engineering, you need to ensure that you are technically orientated, especially mathematics, as an engineering course can be quite demanding in that respect.



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What/who first got you interested in engineering?

I got interested in Engineering because of my Dad who was a Civil engineer and my role model, as well as my interest in the operation of things around me and my love for Mathematics and Physics.

Why did you choose electrical engineering over mechanical?

I picked Electrical engineering over Mechanical because of Engineering drawing and because Electrical engineering is broader in terms of what you can achieve and it's in line with my passion.

What has a career in engineering allowed you to achieve?

My career in engineering has allowed me to follow my passion in life and learn along the way embarking on Life changing projects and providing me with opportunities to meet people.

What advice would you give young students considering a career in engineering?

Honestly, I will tell each one of them to get ready for an amazing journey which would be filled with bumps along the way but still stay true to the path they have chosen. There is a saying that "Tough times don't last Tough people do".