

Cybersecurity, Data Science, Gaming or UX Design: Which IT Specialty to Choose

NOTE: The actual contents and opinions are the sole views of the author who maintains editorial independence. By Jean Hartley – The IT-industry is actively developing, which means a constant influx of specialists, there are more and more of them. The industry is in constant need of new personnel. But what to choose, because there are so many areas : cybersecurity, Data Science, gaming, UX-design. Let's look into it.

How to choose an IT-specialty for yourself

It is necessary to determine whether you are ready to work in IT. After all, in this area not only the salaries and social packages are high, but also the requirements for personnel. To become a truly in-demand specialist, you need to constantly learn. You need self-discipline, time and, of course, desire.

If the willingness is there, then you can move on to the next point – the choice of specialty.

To do this, you need:

- Determine your own preferences and interests, because they will play the most important role in achieving success. The level of motivation must be high, only in this case you will be able to realize your plan. What kind of technology do you like most – design development, writing applications, or cybersecurity? Read articles on these topics, see what the representatives of these specialties are doing.
- Analyze your own abilities. This is a very important step, because it is not always possible to work effectively in the field we like. For example, if mathematics is far from you, then Data-Science will not be given easily. Or if you are not keen on drawing and drafting, then the design can be not all right (of course, not always).
- Assess the labor market. The labor market plays an important role in choosing an IT specialty. Not all IT industries are equally well paid, and not all specialists are equally in demand. Having studied the nuances, dynamics and volatility of the labor market, you can make a rational decision.

Read: Understanding the Latest Cybersecurity Trends

There is a huge variety of digital professions on the market right now. There are many in-demand professions, but cybersecurity specialists, data scientists, game developers and designers are in particular demand.

Cybersecurity

These days, almost every company has services, programs, and network devices on which the efficiency and profitability of the business depends. If any of these elements is damaged due to intrusion of malefactors, the company will lose money and possibly suffer reputational losses.

For example, in 2017, the Marriott hotel chain suffered a data breach that exposed the personal information of 500 million customers. The breach was caused by a vulnerability in the Marriott's internal network, which allowed attackers to access the company's database. This incident resulted in significant financial losses and damage to the company's reputation.

Read: 6 Cybersecurity Strategies for Handling Fraud and Data Breaches in Business

What a cybersecurity professional does

He or she is in charge of preventing attackers from attacking company resources. This is the main task, which is implemented through the analysis of external and internal risks and threats. Information security specialists know how specialized security tools work and how to use them.

A cybersecurity expert can be part of the software and device development team, dealing with user data protection. A good specialist should know not only the technical part, but also understand the legal basics of information protection and understand what to pay special attention to.

As a software engineer, the knowledge and skills of cybersecurity are indispensable. This is the task of ensuring the security of software and hardware. The professional is also responsible for ensuring the security of the company's data and systems.

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This is why UX-design is an extremely in-demand profession and will remain so in the near future.

What a UX designer does

There are many directions within this profession. But most often the work of a user interface designer deals with the creation of design layouts and the development of maps of the site or application.

In the first case, the functionality of the product is thought through to make it as user-friendly as possible. In the second – thinking about the appearance of various elements.

A UX designer can work in almost any modern IT-company engaged in the development of web services, games or applications.

Read: Best Free Graphic Design software for Linux

Conclusion

It is worth emphasizing that the chosen specialty should not become a job, but a hobby. Of course, you can just be conscientious about performing your duties and be a good professional. But specialists who are passionate about their work usually become truly successful. Therefore, I will repeat my advice – choose the specialty that you like, do not make the size of the salary the main criterion.

If you don't like your job, money will quickly cease to please. There is a danger of quickly burning out or even falling into a prolonged depression.

Jean Hartley is a professional writer for essaywriterfree.net. She also has experience in IT and technical writing experience. Jean follows the tech world and writes about it often on his blog.

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UX/UI Design Vs Data Science - Which Field is More in Demand

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UX and Data science are two different areas to compare and tell which is more in demand. One is into design and other is on the tech side but the former has to be part of the later depending on the solutions developed using Data science. But, comparatively UX field is in more demand compared to Data science because it does not need any background in specific to get into UX field and past few years there is a huge demand, especially in India, where a lot of colleges have started offering the course in UX and many online opportunities have also made it more reachable.

Data science is a field that comprises more scientific methods, processes, and algorithms to gather details from data in different forms. This field has been in existence for many years as different but with the demand for Ai and Machine learning which is the buzzwords, the Data science is now in limelight and many coders are choosing this as next career option to jump to.

In nutshell, both are in demand but yes UX takes the lead in the race.



Uday is the founder and CEO of Index Studio, a digital design studio based out of Hyderabad, India. He has amassed a decade of experience in the fields of UX Strategy and Design, graphics, product development, and has worked with a couple of companies and startups. In his free times, he is also an avid photographer and an accomplished artist working with multiple mediums.

Why Data Science and UX Design Need to Become Best Buds

Data Science and UX Design

Long gone are the days when design used to rely almost solely on the creativity of designers.

Technologies are sophisticated, subsequently rendering users more demanding. UX design has been blurring the line between art and science. According to Adobe, 38% of people will stop engaging with a website if its layout or content is visually unappealing. A similar percentage of website visitors will bounce if images take ages to load.

Enter data science to help you avoid death by bad, unintuitive design.

Eliminate educated guessing

Successfully executed UX design has a strong scientific basis. You must make informed decisions. So before you start designing, it's essential to go through 6 steps that mimic the scientific method:

- Ask a question
- Do research
- Develop a hypothesis
- Run experiments
- Analyze your findings
- Make an informed decision and implement it

Never throw darts in the dark and make assumptions on what will get website visitors to stay longer and convert. There's a sea of information for you to dive into and find what you need. The problem, however, isn't to collect all that vast data on user preferences. It's to process and analyze it in a systematic manner to provide you with ready-to-use insights.

Unrightfully neglected by UXers, Google Analytics (GA) can make your life easier. This free tool helps you learn valuable information about visitors: what they're doing and looking for on your website, where they come from, how much time they spend on each page, whether they engage with certain content, or whether mobile visitors behave differently than desktop visitors, among many other things.

How to make the most of Google Analytics:

Optimize your Bounce Rates

Assess which pages have the best and worst bounce rates. Apart from allowing you to access the report for each individual page, GA offers analyzing your landing pages and establishing the sources from which visitors enter your website.

Improve your Average Time on Page metrics

As the name suggests, this report shows you how much time a visitor spends on a particular page engaging with content. A lower average time indicates that visitors don't reaqbrates tejr es Apridess

Beware of Twyman's law

It can mislead you into believing that an interesting and unusual stat is correct. This glitch can be the result of a certain bias, data errors, or even bad design or test circumstances.

The instrumentation effect is another threat to the validity of your UX design research

This occurs if you change the instrument, observers, or measurement device during the process. So, make sure that your experiment is tested before it goes live. This means that you should use different browsers, devices, and an extra pair of eyes to help you prevent any issues.

In conclusion, data science can be vital to the success of your UX design. It holds the key to your visitors' behavior and expectations, but you must learn to use it and be aware of its potential pitfalls.

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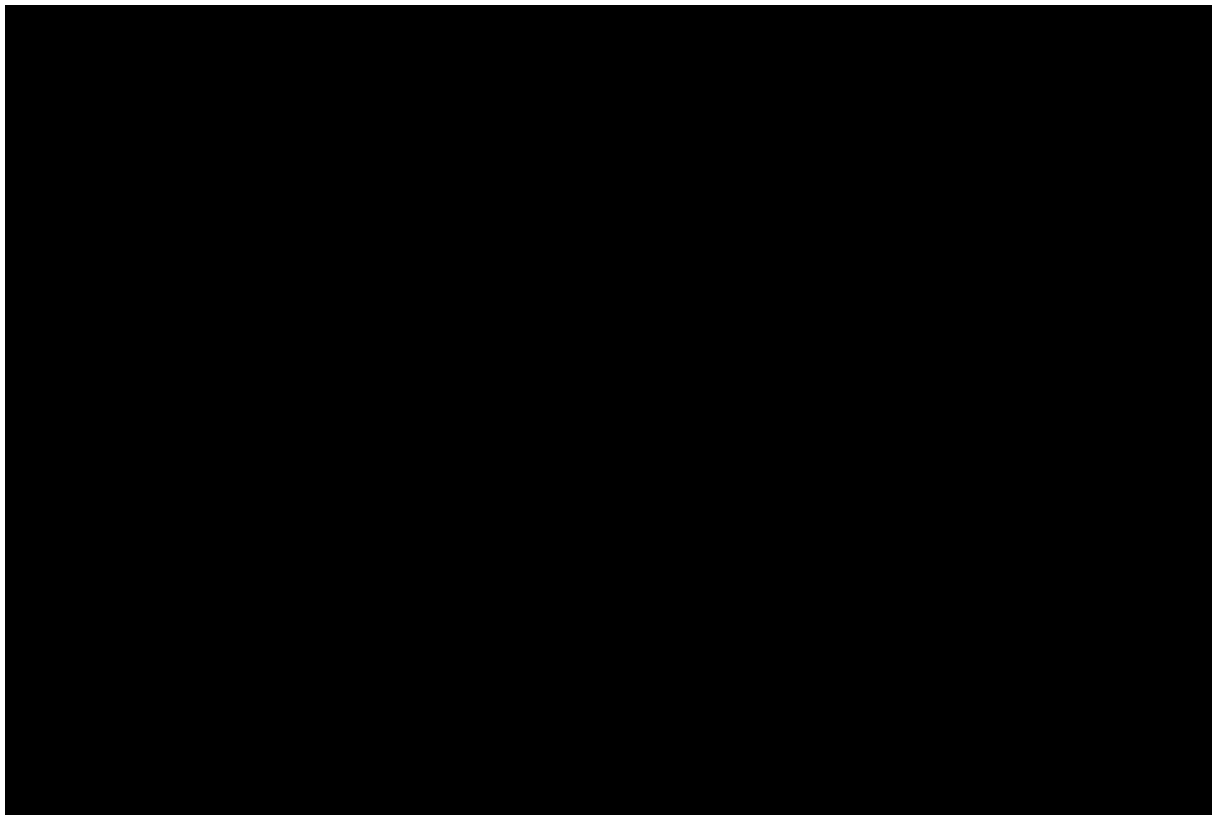
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Should I learn data science or UX design? - Omilights-Connecting World with the Power of Words

on April 24, 2021 | Business, Technology |

- Important differences between UX and Data Science profile:
- Sometimes UX and Data Science can mix the roles
- Final verdict-UX or Data science

In this fast pacing technology world daily new technologies are emerging. People who want to make their career in Information technology in the world of computers often confuse which one to select and which one to not.



Not only this, sometimes professionals try to switch their technology to learn and earn something better.

There are two such fields which are running at top in today's market along with few others and these are UX and Data Science. In this article we are going to tell you three things atleast which can help you out to take decision if you are also confused and thinking should you learn Data Science or UX.

Important differences between UX and Data Science profile:

UX Data Science UX person deals with people Data scientist deals with data sets A UX person focuses mainly on needs and behaviors of people A data scientist involves computational analysis of data UX designers use sketching or wireframing software, whiteboards sharpies, pencils, drawings etc. Data scientists work with graphics, charts, tabular data, statistics. They may use software like Python/JSON/SQL etc. A UX designer can also have knowledge of other coding tools like React/Angular/Javascript etc. A Data scientist can also have designing knowledge

Sometimes UX and Data Science can mix the roles

It is clear from above that a UX person works with people and uses the data to improve the experience but he can also sometimes help the Data scientist to improve the visualization. While A data scientist plays with data and does not take into account people behaviors. But sometimes he can use people's data like generated logs to analyze the behavior.

Final verdict-UX or Data science

One should see his interest and find out if he wants to become a data scientist or UX designer. Its good to see your capabilities and interests rather than looking at someone who is doing good in the same.

You need to analyse yourself that will you be able to work with huge data sets efficiently. Also, would you be good at ETL tools like informatica, Talend etc. Or, if planning for UX need to see if you can work on tools like Adobe XD, Invision, Mockups kind of tools for UX designing. In UX, one directly work with people and their sentiments and that can sometimes take a lot of time in reaching at the final conclusion.

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