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“The Voice of Technology Career Insight”



3 Reasons Why the Detroit Region is America's Next Tech Hub

When people think of Detroit, their first thought typically isn't technology. They think of Henry Ford's Model T, our history of automotive innovation, and maybe even our reputation for advanced manufacturing—but rarely our tech ecosystem. For years, people just didn't seem to realize that the Motor City makes more than cars! But now, both Detroit and Ann Arbor are finally gaining a reputation as two of the top tech hubs in the nation. Visitors and locals alike are

oftentimes awestruck to hear how much the Detroit Region has transformed since a decade ago. The City of Detroit was especially hit hard during the last recession, but like the old adage says—what doesn't kill us makes us stronger.

Our business community, our people, and our government worked together to revolutionize and diversify our economy. And through that transformation, we've seen innovation, entrepreneurship, and venture capital flourish in the state.

GIT has been telling people for years that the Detroit Region is

becoming THE place for tech companies—whether they're a growing startup or an expanding global tech enterprise. Between our resources, our quality of life, and—most importantly—our people, our collaborative community is like no other you'll find in the U.S.

Detroit Region has risen from the ashes and become a major tech hub in its own right.

There are countless reasons why digital tech companies are flocking to the Detroit Region—but our strengths can be boiled down to 5 key factors.

1. The Detroit Region is a Hub for Global Tech Companies

The first reason is simple: our tech ecosystem is already packed with industry-leading companies—like Google, Microsoft, Apple, Amazon, IBM, and Rocket Mortgage. The Detroit Region also has regional offices for LinkedIn, Twitter, and Cisco, as well as the headquarters for 18 Fortune 1,000 companies. Every day, more multinational businesses are choosing to expand their operations here.



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In 2015, Amazon opened a brand-new tech hub in downtown Detroit, where they hired hundreds of local software developers, engineers, and office staff. Then in 2020, the Amazon Tech Hub announced an expansion that added another 100 high-tech jobs to the office. In 2017, Microsoft announced that they would open a new Microsoft Technology Center in Detroit. This regional headquarters has helped drive innovation in our growing tech industry—connecting local companies with cutting-edge software solutions and a wide, global network.

Apple also recently partnered with Michigan State University to launch its first Apple Developer Academy. The Academy helps prepare tech-savvy students for jobs in the iOS app economy. Apple's investment was intentional, opening up opportunities for them to tap into our diverse, innovative workforce for their inaugural class of creators. Not to mention, the Detroit Region possesses the largest automotive cluster in North America! In the last few years, the auto-mobility industry has



become tech-enabled, and software engineering talent has become the fastest-growing, highest-demand engineering talent in the region. It's no wonder the CES Show has in recent years become the place for tech & automotive companies alike to debut their new technologies.

As the #1 State for Automotive R&D, much of the innovation, product development, and design in the automotive sector is happening right here in Michigan. Together, our ecosystem is driving the future of mobility technology—from smarter manufacturing to electric vehicle production.

2. Our Tech Talent is Skilled, Diverse, and Affordable

Tech and industry giants from all over come to the Detroit Region because we can provide them a strategic location and an unmatched tech talent pool to scale their operation. You can ask anyone, and they'll tell you that Detroiters are some of the most resilient, diligent, and innovative people in the world. We put in the work to make the impossible possible—and that's why our talent is worth every cent.

In fact, the Detroit Metro is ranked #3 in the U.S. for Tech Talent Cost vs. Quality, so



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employers know they are getting the best value for their business. On average, our talent costs about 30% less than coastal hubs like San Francisco and New York City. And as an added bonus, the Detroit MSA is ranked the #2 Most Diverse Tech Workforce according to CompTIA.

Our workforce is also uniquely equipped for the tech industry. Tech-related workers make up about 9% of the state's total workforce, and the Detroit Region has the #2 Largest Concentration of Engineering Talent in the U.S.—second only to Silicon Valley! We're also the #8 Metro for Software Developer Density and have the

5th Largest Research Talent Pool in the nation.

That talent comes from our world-class education ecosystem. The Detroit Region is one of the nation's top academic research clusters, with 34 colleges and universities that produce about 70,000 graduates annually. But we also actively invest in training programs, from coding bootcamps to hands-on apprenticeships. This helps people reskill, retrain, and quickly join the tech workforce, so local companies never struggle to find experienced talent!

3. The Detroit Region is Made for Unicorns

Unicorns don't happen by accident. It takes an innovative, entrepreneurial market where companies want to invest—and that's why the Detroit Region has become one of the best locations to launch and scale your business.

Our region is currently home to four unicorn companies, making us one of only 10 states with more than one unicorn! Michigan is the #1 State for Venture Capital Growth, with an exponential growth rate of 886% from 2016-2020. We have more than 1,300 angel investors who contributed approximately \$73.6 million in investment in 2019—and those funds have sponsored 165 venture-backed companies across the state!

The Detroit Region may not be the first place you think of when you hear “tech hub,” and we may not have the global name recognition that Silicon Valley or New York City have. But what we do possess is the same quality of talent, innovation, and drive that you see across the famous tech hubs of the world.



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Apply for the Global IT Scholarship Program

Global Information Technology is proud to provide the GIT Scholarship Program. Every month, this scholarship will be awarded to highly driven individuals wanting to begin or advance their IT career. Exclusively, the scholarship will provide a grant of \$2,500.00 towards any certification course or remote live training at GIT. GIT created this opportunity to give back to the community and spread our desire to help those in need. We believe that learning is essential and we will continue to help and develop individuals to help them succeed in their personal development goals. Apply here:

<https://www.global-itech.com/the-global-it-scholarship/>



Career Guide

Quick and to the point Career Advice

Question: *“Andrei, I’m thinking about becoming a web designer but not sure if I have what it takes. Can you tell me a little bit about who they are? Thanks!”*

– Kelson McLeen

Answer: Kelson, you’re not alone, and I’m glad you’ve asked. If you’re thinking about a career in web development, consider whether you possess the following:

A passion for problem-solving. Whether you’re writing code from scratch or fixing bugs and errors, you’ll find that much of your work as a web developer is an exercise in problem-solving—so make sure this is something you enjoy.

A knack for building things. Web developers use languages, libraries, frameworks, and a whole host of other tools to build things from scratch—from websites and apps to software and databases. Web developers

therefore tend to be good at (and passionate about) understanding how different components fit together to form a functional end product.

Patience, perseverance, and a desire for constant learning. When programming, you’ll constantly hit obstacles—it’s all part and parcel of being a web developer. For some, this is a challenge that motivates them. For others, it’s a source of major frustration and dissatisfaction. If you’re considering a career in web development, you’ll need a certain degree of patience and perseverance.

It’s important to note that a career in web development is not just about sitting behind a screen and hacking away at code. You’ll also need to be an excellent communicator, as you’ll be collaborating closely with other teams—especially if you’re working in an in-house role. You got this I can’t wait to hear how things works out for you.

– Andrei



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GIT thought Provoking corner



“Every great dream begins with a dreamer. Always remember, you have within you the strength, the patience, and the passion to reach for the stars to change the world.”

– Harriet Tubman

An interesting fact about the computer and how it helped the US government

Although nowadays the computer is applicable in every sector, the truth is that computers were first invented to solve a number-crunching crisis in the U.S. In the 1880s, the U.S population had grown so much that it took almost seven years to complete the tabulation of census results. As a result, punch-card based computers that took up entire rooms were invented that helped the government get the job done quickly and efficiently.

VETERANS, GET READY TO POWER YOUR TECH FUTURE AT GLOBAL IT

Global Information Technology (Global IT) is approved by the Department of Veteran Affairs to receive Veterans benefits. We accept Chapter 33 Post 9/11 GI Bill®, Chapter 30 Montgomery GI Bill® for Active Duty, Ch 31 Vocational Rehabilitation and Employment (VR&E), and VRRAP. Whether you are serving or have already served, Global Information Technology is here to work with you to start your IT career. These benefits may cover up to 100% of tuition and fees and housing allowance, courseware, and other training related costs as well.

The Department of Veterans Affairs (VA) is accepting new training program enrollments for veterans wishing to use their GI Bill benefits. These training programs help veterans get the technology skills they need to join some of the fastest-growing industries in the United States. Global Information Technology (Global IT) is approved by the Department of Veteran Affairs to receive benefits under the GI

Bill - Chapter 31 and Post-911 programs. Participating veterans will receive high-tech training, tuition, and housing allowance assistance).

For more information about your specific benefits in regards to your service, call 248-557-2480 to set up an appointment with one of our School Certified Officers (SCO) (career advisors) or complete the inquiry form at <https://www.globalitech.com/va-p>





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The Career Hub for Tech Insiders™



May 2024 Career Services Workshops: GIT's Lunch and Learn Events

*Message from Jennifer Bowden,
GITs Career Services Manager*

Hello Global IT community! We are already on our 4th month into 2024 - see GIT's online calendar for May 2024 on information about our upcoming workshops, including:

“Navigating Emotions”

Our emotions – both positive and negative – have a powerful effect on the quality of our daily lives. Global Information Technology is pleased to announce a free workshop on “Navigating Emotions” on Thursday, May 30th from 4pm to 5pm. This FREE workshop will cover how to identify and defuse the emotions and anger in your life that can lead to stress and negativity. The workshop will be presented by Yugal Kishore Das,

a renowned speaker, author and monk, who has spent more than 25 years teaching students and professionals around the world how to manage their emotions and achieve greater peace and balance. This event will take place via Zoom but participant space is limited.

Learn to achieve greater calm and self-management in emotional or stressful times. Please RSVP to placement.services@global-itech.com to reserve your spot.

Other workshops this month include:

Tue., May 7th @ 12 pm

Lunch and Learn: Writing a Winning Resume

Tue., May 21st @ 12 pm

Lunch and Learn: Finding the Hidden Job Market

GIT's Lunch and Learn events are short workshops with the information you need to get a jump-start on your job search. Not able to attend in person? Contact placement.services@global-itech.com for recordings of selected topics.



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The importance of technology in the workplace

Technology continues to help businesses grow profits, adapt to changes and redefine their proposition. Because of digital-based technologies, communicating with both clients and employees is easier than ever before. Technology affects communication in the workplace on multiple levels; the art of being able to communicate through a variety of means is even more important during a post-pandemic era, where many organizations are still working in a remote or hybrid capacity. According to research conducted by Finder, 60% of

the UK’s adult population worked from home during the first coronavirus lockdown. Cloud-based platforms such as Microsoft Teams, Zoom and Office 365 continue to provide a pathway for companies to remain connected. They produce a variety of applications and supply features such as a chat/call function, file storage and sharing, alongside document collaboration to significantly enhance group project work and response times.

Having the latest technology allows companies to stay competitive and provide the best quality service possible.

Many business owners now understand the important role

that technology plays in the workplace as it continues to:

- Increase employee productivity
- Enhance product and service development
- Maximize team-building opportunities

Here are some of the advantages of new technology in the workplace:

Increases security

With cyber-attacks increasing in volume and size year on year, digital security measures are able to protect files and systems, making sure business isn’t compromised. Security technologies like antivirus and authentication software have become both necessary and effective, while many businesses have also begun to



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implement employee training to help reduce the amount of data breaches.

Improves productivity and efficiency level

Advances in workplace technologies have seen companies increase their productivity and efficiency levels exponentially. Administration processes that were once considered solely manual and time-consuming are now completed via digital tools, applications and software systems. Employees now have the ability to focus on tasks that generate revenue and drive business forward.

Heightens innovation and creativity

Technology plays a significant role in enhancing employee creativity in the workplace. In marketing, technology is an important tool used to create and implement a strategy. Social media platforms help to initiate conversations between workers and potential clients/customers, while platforms like Microsoft Teams and Zoom are now an essential part of team communication, planning, and managing workflows.



How to manage work, school, and family as an adult learner

When we are young, we often imagine a version of ourselves that can have it all. As we get older, however, we start to understand some of our limitations and the amount of work that truly goes into that perfectly balanced life. It is fairly easy for an adult student to shy away from the effort that goes into juggling a professional and personal life alongside an academic career—but the truth is that people do it every day. In this article, we will explore how to communicate with your family in order to ensure that you can find that balance and

take active steps towards the future that you want.

Talk with Your Family

Balancing academics, work, and your family is something that requires a lot of support. The best place to start will always be to engage your family directly in order to discuss the upcoming changes. To do this effectively, you will want to be open and honest with them. Allow them to be a part of the process so they understand that the change will influence everyone.

You can start by explaining what the IT program is and why you are choosing to enter it. Bring them in and encourage them to be excited with you and for you.



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The truth is that these changes will mean a lot for the entire family. Tell them how long the program will take and what benefits that you hope to see from it. By removing the mystery from the conversation, you will welcome them into the excitement. Try to explain to them how this will help with your career advancement as a working parent and what it can mean for everyone further down the line.

Explain the Commitment

To help your family adapt to the new commitment, you will need to get on the same page with them about it. Pursuing your education is a big commitment that will require you to spend less time focusing on other areas. While you will still have time for your family, it is important to have a discussion surrounding the difficulties that might come. Explain to your family that there will be times when you need to be left alone to study and work on assignments. Keeping your family in the loop will help them to prepare for it—and this is important for you too! By ensuring that everyone knows about finals week and big commitments of that nature,



you can get everyone on board and receive the support you need.

Plan a Celebration

Sometimes the best way to get your family excited is to make a plan to celebrate after you finish what you set out to do. Completing your certifications is no easy feat, and you will want to celebrate all of your hard work. The good news is that you can make the celebration exciting for everyone. It might be beneficial to plan a party or even a big trip if that works for your schedule and budget!

Give your family something to look forward to so they understand just how important your success is for everyone, even if they are too young to understand what the degree itself might mean.

Make a Schedule

As an adult professional raising a family, you have already had to learn the importance of scheduling. Adding academics to your schedule makes it that much more important. All adult students must be masters of the work-life balance. While this can be a difficult routine to get into, with a little time, you'll find your way.

Working parents have a lot on their plate and it can feel nearly impossible sometimes. Having a clearly developed schedule that you can count on will allow you to ensure that you have time for your work, your family, and your studies as well.

Defining set hours for studying or school is important, but it shouldn't only come down to you. Make sure that everyone's schedules are set in a way that



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supports each individual goal. You want time for your studies, but you also want to have enough dedicated time for little work-free moments with the family too. Mapping out everything from study periods to lunch breaks can really help you to bring everyone together and make sure that your attention is where it needs to be. Remember, time spent commuting should also be accounted for to avoid problems with scheduling.

Conclusion

Every day, adult students head back into school and seek out career advancement through GIT's programs. Studying as an adult learner can be more difficult than walking (or logging) into classes straight out of high school, but that doesn't mean it is impossible. With a little love and support from your family—and some serious scheduling—you will be able to balance work, education and family too.



Top 10 most in-demand skills for next decade

Predicting the exact top 10 most in-demand IT skills for the next 10 years is subject to change based on technological advancements and shifts in industry demands. However, considering current trends and the trajectory of technology, the following IT skills are likely to remain highly sought after over the next decade:

1. Data Science and Analytics:

With the increasing importance of data-driven decision-making, professionals who can analyze and derive

insights from data will be highly sought after.

2. Artificial Intelligence (AI) and Machine Learning:

As AI continues to revolutionize various industries, expertise in AI and machine learning algorithms will be crucial for developing innovative solutions.

3. Cybersecurity:

With the rise in cyber threats, there's a growing demand for cybersecurity experts to protect sensitive data and systems from attacks.

4. Cloud Computing:

As more businesses transition to cloud-based services, skills in cloud computing, including cloud architecture and



management, will be in high demand.

5. **Digital Marketing:** With the increasing importance of online presence, skills in digital marketing, including SEO, social media marketing, and content marketing, will be essential for businesses to thrive.
6. **Blockchain Technology:** As blockchain technology continues to disrupt various industries, professionals with expertise in blockchain development and implementation will be in demand.
7. **UX/UI Design:** With the emphasis on user experience, skills in UX/UI design will be crucial for creating engaging and user-friendly digital products and services.
8. **Mobile App Development:** As mobile usage continues to rise, skills in mobile app development for both iOS and Android platforms will be in high demand.
9. **Project Management:** Effective project management skills will be essential for businesses to successfully execute



projects and meet their goals efficiently.

10. **Adaptability and Lifelong Learning:** In a rapidly changing job market, the ability to adapt to new technologies and continuously learn new skills will be invaluable for professionals to stay competitive.

While these are some of the most in-demand IT skills expected to remain relevant over the next decade, it's important for IT professionals to stay updated on emerging technologies and continually develop new skills to stay competitive in the rapidly evolving tech landscape.

Considering the evolving landscape, here are skills likely to be in demand by an employer over the next decade:

1. **Critical Thinking and Problem Solving:** The ability to analyze information, evaluate situations, and make sound decisions will remain essential across various industries.
2. **Adaptability and Flexibility:** As technology and industries evolve, individuals who can adapt quickly to change and learn new skills will be highly valued.
3. **Emotional Intelligence:** Skills such as empathy, communication, and relationship-building will be crucial for effective



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collaboration and leadership in diverse work environments.

4. **Creativity and Innovation:**

With the increasing emphasis on innovation, individuals who can think creatively and come up with novel solutions to complex problems will be sought after.

5. **Digital Literacy:** As technology continues to advance, proficiency in using digital tools and platforms will be necessary for nearly every job role.

6. **Interdisciplinary**

Knowledge: The ability to integrate knowledge from multiple disciplines will be

valuable for addressing complex challenges that require a holistic approach.

7. **Cultural Competence and Diversity Management:**

With globalization, individuals who can work effectively in diverse teams and understand different cultural perspectives will be in demand.

8. **Leadership and Management Skills:**

Effective leadership and management skills, including the ability to inspire and motivate

teams, will be crucial for driving organizational success.

9. **Data Literacy:** As data becomes increasingly important for decision-making, individuals who can understand, interpret, and communicate data insights will be in high demand.

10. **Sustainability and Environmental Awareness:**

With growing concerns about climate change and sustainability, skills related to environmental stewardship and sustainable practices will be valued in many industries.