5 Technology trends for 2025

1. Generative AI

Starting the list of new technology trends with the talk of the town, gen-AI! Generative AI is set to dominate as a key technology trend in 2025, reshaping industries through its ability to create highly sophisticated and human-like content, from text and images to audio and complex simulations. Advancements in generative models, like GPTs and multimodal systems, are driving new applications in content creation, design automation, and interactive experiences.

This technology is not only enhancing productivity but also revolutionizing how businesses approach problem-solving, customer engagement, and creative processes, making tools more accessible and versatile across various sectors. In 2025, organizations will continue integrating generative AI into workflows to innovate faster and provide personalized services at scale.

2. Quantum Computing

Quantum computers leverage the properties of quantum mechanics to process information exponentially faster than classical computers for specific tasks. This year, we're seeing quantum computing being applied in areas such as cryptography, where it can potentially crack currently considered secure codes, and in drug discovery, speeding up the process by accurately simulating molecular structures. The technology is still nascent but poised to revolutionize industries by solving complex problems intractable for traditional computers.

3. 5G Expansion

The next emerging technology trend is 5G! The fifth generation of mobile networks, 5G, promises significantly faster data download and upload speeds, wider coverage, and more stable connections. The expansion of 5G is facilitating transformative technologies like IoT, augmented reality, and autonomous vehicles by providing the high-speed, low-latency connections they require. This technology is crucial for enabling real-time communications and processing large amounts of data with minimal delay, thereby supporting a new wave of technological innovation.

4. Virtual Reality (VR) 2.0

Enhanced VR technologies are offering more immersive and realistic experiences. With improvements in display resolutions, motion tracking, and interactive elements, VR is becoming increasingly prevalent in gaming, training, and therapeutic contexts. New VR systems are also becoming more user-friendly, with lighter headsets and longer battery life, which could lead to broader consumer adoption and integration into daily life.

5. Augmented Reality (AR)

In 2025, Augmented Reality (AR) is poised to be a major tech trend, further integrating into consumer and enterprise applications. With the evolution of hardware AR will offer more immersive, interactive experiences. This technology is set to transform industries like retail, real estate, and education by enhancing how users visualize products, learn, and interact with their environments. AR-powered solutions will allow users to overlay digital information onto the real world, bridging the gap between physical and digital experiences.

Veterans, get ready to power your tech future here 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

Career Guide

Jobs in the Detroit area … just 1 click away

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Quick and to the point Career Advice

Question: *"Andrei, talk to me about working remote – I'm seeing more and more jobs offering this type situation. Is this something I should be getting used to? Thank you, and keep JobPrep going!"* – Jason Howard, Jr.

Answer: Great question Jason, and Happy New Year! you may have seen some of the latest headlines about major corporations calling their worker bees back to the office full-time. Amazon CEO Andrew Jassey informed his employees of the change back in a September 16th company memo. Meanwhile, Dell recently made news for an abrupt five-day return-to-office mandate that reportedly left some employees scrambling for childcare. But with an estimated 75 million U.S. jobs compatible with working from home, the desire for remote and/or hybrid employment culture remains strong. A 2025 "U.S. Hiring Outlook" from the human resource consulting firm Robert Half notes "workplace flexibility has become a paramount candidate expectation." This means that in order to attract top talent, hiring managers must "offer flexible arrangements such as nontraditional schedules and fully remote or hybrid work options." Keep that in mind as you're scrolling LinkedIn.

While you may be alarmed by news about the slower rate of job growth heading into the New Year, the overall workforce picture is more nuanced than that. New technologies bring new opportunities, and chances are you needn't be in an office five days a week to seize them.

I hope this advice helps. You got this, and best of luck!

- *Andrei*

career

Career advice for mature workers in their job search

Clearly, success can come at any age; however, that doesn't make finding a job after the age of 50 any easier. It's sad but true that although age discrimination is illegal, it still exists. Many employers have preconceived notions about older workers. Among the most common: They cost too much, they lack motivation, and they either don't understand or fear technology.

Despite research that dispels these myths, these negative stereotypes persist; however, they needn't hold you back. If you're over 50, the key to a successful job search is not only to disprove the negative stereotypes that exist, but to show employers the benefits your extra years of experience can bring them.

Make over your resume and cover letter: Don't give employers the chance to immediately dismiss you based on your age by "age-proofing" your resume. There's no need to mention every job you've ever had. Limit your work experience to the last 10 - 15 years and keep it relevant to the job you're hoping to land. (This may mean created different resumes for different jobs.) If you have a college or professional degree, leave the dates off your resume.

Your cover letter is critical, as well. Review these cover letter tips for older job seekers to learn what to include in your cover letter, how to showcase your skills, and how to effectively market your candidacy to employers.

Highlight what sets you apart: Your experience and years in the workforce give you critical life skills, talents and abilities that younger workers don't have. Emphasizing these strengths can set you apart. These strengths include (but certainly aren't limited to) your problem-solving skills, work ethic, good judgment and leadership. Come up with concrete examples of times you've displayed these skills to help prove that your experience is an asset.

Address employers' concerns: When interviewing (and even when writing your cover letter), address any concerns an employer might have about hiring someone over 50. Talk

about your flexible management style, technological proficiency, ability to learn new skills and the willingness to work for a younger boss. Before going into an interview, come up with concrete examples of how you've mastered new technologies, how you've worked with and for younger generations and how your management style has developed through the years. Conducting a successful job search: Many 50-plus job seekers are finding themselves in a job search for the first time in years – even decades. If you fall into this category, and are unsure how to go about your job search, consider the following:

- Expand your network: While a lot about the workplace has changed since mature workers first entered the workforce, one thing remains true: the adage that "it's who you know" still applies. The benefit of being a job seeker over 50 is that you probably have a well-developed professional network.

Reach out to your network to let them know you're looking for work, ask for referrals, and be open to making new connections.

- Focus on small companies: If you're over 50, you might find more opportunities by focusing your search on a small company. Not only are there simply more small companies around, but small companies tend to be less concerned with age and more concerned with finding individuals with great experience who

can help them grow their business.

- Focus on growing fields: A recent report from AARP suggests the following careers are particularly hungry for experienced workers and could be great fits for workers over 50.

Whatever you do, don't give up. With the unemployment rate at current lows, it's a job seeker's market, and you have more to offer than you know.

January, February 2025 Career Services Workshops: GIT's Lunch and Learn Events

Message from Jennifer Bowden, GITs Career Services Manager

Hello Global IT community! GIT's workshops and 'Lunch and Learn' events are short sessions with the information you need to get a jump-start on your job search. Our upcoming workshops here at GIT include:

JANUARY

Tuesday, January 7, 5 p.m. –
Resume Writing
Your resume is the foundation of a successful job search. This session will explain the essential sections of a resume and show you how to add the skills and experience that get you noticed.

Wednesday, January 15, 12 p.m. – Lunch and Learn: **Planning Your Job Search**
It's been said that finding a job is a job. How can you make the most of the time you have available? Learn strategies for planning and executing a job search that keep you on track and gets results.

Thursday, January 23, 5 p.m. – **Interviewing Skills**
Interviewing is a skill you can improve with practice. Learn strategies for taming those pre-interview jitters, how to answer tough questions (including the dreaded "Tell me about yourself"), and the best way to follow up with employers.

FEBRUARY

Wednesday, February 5, 5 p.m.
Creating a LinkedIn Profile
LinkedIn is a powerful took for locating jobs, researching employers, and expanding your professional network. Learn tips for creating a profile that highlights your skills and experience and helps you make the most of this career resource.

Tuesday, February 11, 12 p.m. - **Customer Service Skills in Technology**
Many jobs call for working with customers, including jobs in technology. This workshop will take a deeper dive into understanding the transferrable skills developed in customer-facing positions and discuss how to effectively convey those skills to a potential employer.

Thursday, February 20, 5 p.m. – **Network Your Way to Career Success**
You may have heard that networking is essential for finding a job in today's market – but how do you get started? This workshop will cover networking tips and strategies including networking in person and how to get the most out of LinkedIn.

Wednesday, February 26, 12 p.m. - **Building a Professional Portfolio**
A professional portfolio is an ideal way to show an employer how you can apply your skills in a real-world scenario. This workshop will cover the major elements of a portfolio as well as hands-on tools for creating and publishing it.
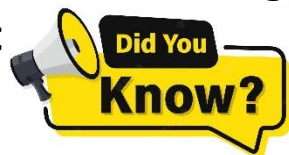
GIT thought provoking corner

"Isn't it nice to think that tomorrow is a new day with no mistakes in it yet?" – L.M. Montgomery

GIT Fun Technology Fact

Naturally, since artificial intelligence is getting smarter, in 2025, integrating AI into robotics will further enhance how robots interact with the living world. There has been considerable progress in developing robots that mimic human capabilities, such as walking, talking, and expressing emotions, thanks to AI. This integration is crucial in taking some of the world's most advanced robots to the next level.

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-cholarship/

The top 3 permanent tech jobs in 2025

3. Business Analyst
Business Analysts are responsible for delivering solutions by liaising with a wide range of stakeholders, from decision makers to technical staff. In terms of skills, this involves building relationships across the business so you can determine what needs to be solved and how best to do this.

2. Data Analyst
Data Analysts spend more time with the data itself. Success will depend on your ability to aggregate the relevant data to provide insights, using tools such as SQL and Tableau. It's a role that's slightly more reliant on technical skills, such as programming in Python and R.

1. Project Manager
Project Managers are vital for organizations of all sizes in overseeing and ensuring the delivery of transformation. Keeping all the parts moving requires excellent stakeholder management skills, while core soft skills include being well organized and comfortable communicating with people.

Google has provided the first clear proof of a quantum computer outperforming a classical one.

Quantum computers store and process data in a way completely differently from the ones we're all used to. In theory, they could tackle certain classes of problems that even the most powerful classical supercomputer imaginable would take millennia to solve, like breaking today's cryptographic codes or simulating the precise behavior of molecules to help discover new drugs and materials. There have been working quantum computers for several years, but it's only under certain conditions that they outperform classical ones, and in October Google claimed the first such demonstration of "quantum supremacy." A computer with 53 qubits—the basic unit of quantum computation—did a calculation in a little over three minutes that, by Google's reckoning,

would have taken the world's biggest supercomputer 10,000 years, or 1.5 billion times as long. IBM challenged Google's claim, saying the speedup would be a thousandfold at best; even so, it was a milestone, and each additional qubit will make the c computer twice as fast.

However, Google's demo was strictly a proof of concept—the equivalent of doing random sums on a calculator and showing that the answers are right. The goal now is to build machines with enough qubits to solve useful problems. This is a formidable challenge: the more qubits you have, the harder it is to maintain their delicate

quantum state. Google's engineers believe the approach they're using can get them to somewhere between 100 and 1,000 qubits, which may be enough to do something useful—but nobody is quite sure what.

And beyond that? Machines that can crack today's cryptography will require millions of qubits; it will probably take decades to get there. But one that can model molecules should be easier to build.

6 Easy ways to make $$$$ while unemployed

Unemployed professionals arrive at their shared situation through many different paths, including resignation, layoffs or redundancy. You may also be a student yet to land their first job, or a consultant waiting for your contract to be renewed. However you got here, the survival guide to unemployment comprises staying positive, practicing self-care and staying on top of your financials. We know that you still need time to peruse job listings and prepare your résumé, so we've put together a list of money-making ideas that won't interfere with your ultimate career goals.

1. Apply for unemployment benefits
This may seem like a no-brainer, but many people neglect to file for unemployment benefits promptly. You may assume you'll get another job right away or think you should look for work first before seeking financial assistance. Unfortunately, delaying this could cause you to miss a filing deadline and leave you without the money you're entitled to just when you need it the most.

2. Work as a dog walker
If you're a dog lover, dog-walking is one option to consider. You'll likely find people in your neighborhood that would be happy to hire someone who can help get their pets some exercise while they're at work. Apartments and communities catering to seniors are also a great place to find new clients. Another option is pet-sitting; many pet owners prefer to hire a dedicated minder rather than leave their pets at a boarding service. Sites like Rover.com and PetSitter.com allow you to list your services and gain positive reviews that will help expand your customer base.

3. Work as a freelancer
While you may have lost your full-time job, you can continue working in your field as a freelancer. Sites like FlexJobs, Upwork and Indeed help you find freelance gigs, including work-from-home opportunities, that match your skills.

4. Earn from affiliate marketing
If you have a website or personal blog, you can make some extra cash with affiliate marketing. This involves advertising a product or service on your site and then taking a percentage of any sales that result from users clicking on your ads. You can utilize a service that works with multiple businesses such as ShareASale or ClickBank.

5. Start an online store
This could be a good time to turn your hobby into a business. Any skills you have in jewelery-making, wood-working, knitting or other crafts can help you make some extra money while you're unemployed.

6. Work as a tutor
Tutoring is an excellent online business idea to make some money. Whether your expertise is in grammar school math or university-level economics, students and their parents are willing to pay for your help. You can accept commissions through your own website, use a freelance site like Fiverr, or work with an online tutoring service like Preply or TutorMe.