Southeast Michigan Becomes Leader in Smart Road Technology

Southeast Michigan is becoming a leader in developing "connected" roads and traffic signals that will "talk" directly to the next generation of cars.

The features are the building blocks that will eventually guide self-driving cars safely to their intended destinations without anyone steering the wheel, The Detroit News (http://detne.ws/2s0NBhh) reported.

General Motors Co. is testing a safety feature in Macomb County that warns drivers when traffic signals are about to turn red.

Test cars on a section of Interstate 75 in Oakland County can read high-tech roadside bar codes that communicate when lanes are closed up ahead, and reflective strips on workers' safety vests also contain information that identifies them as people instead of traffic barrels.

The road is believed to be one of the first "connected" construction zones in the nation.

Macomb County and the state Transportation Department are two of the government units working with carmakers and auto suppliers in testing the life-saving technology. Michigan has established at least 100 miles (160 kilometers) of "connected" highway corridors with roadway sensors for testing in the Detroit metro area, with plans to grow to about 350 miles (560 kilometers).

Numerous automotive suppliers and several automakers with operations in southeast Michigan already are testing autonomous vehicles and automated technology on the state's roadways.

"Smart" traffic signals and sensors in the roadway outside the GM Tech Center in Warren can exchange radio information with Cadillac test sedans equipped with vehicle-to-infrastructure capability. The equipment at the intersections was installed by Macomb County.

"We're just scratching the surface of V2I (vehicle-to-infrastructure) with red-light violations," said Steve Martin, a spokesman for Cadillac.

GIT thought provoking corner

"The purpose of life is not to be happy. It is to be useful, to be honorable, to be compassionate, to have it make some difference that you have lived and lived well."

— Ralph Waldo Emerson

GIT monthly career workshops

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When: Wednesday, Aug. 21, 2019
Time: 4:00 PM
Topic: Maximizing the Internet in Your Job Search

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Upcoming Job Fairs

Detroit Career Fair
Wednesday, August 7, 2019
11 AM – 2 PM
The Dearborn Inn, A Marriott
Hotel, 20301 Oakwood Blvd.
Dearborn, MI

Tech Elevator Staffing & Consulting Career Fair ...
Tuesday, August 13, 2019
2 PM – 4 PM
TechTown Detroit, 440 Burroughs St., Detroit, MI

Detroit Career Fair
Wednesday, August 28, 2019
11 AM – 2 PM
DoubleTree by Hilton Hotel Detroit – Dearborn
5801   Southfield Fwy., Detroit, MI

Professionals in tech are happier than other industries — here's why

There are plenty of reasons to NOT love going to work: Your commute through heavy traffic. That annoying co-worker that never lets you focus. Those countless hours spent in painfully long meetings. Rigid 9-5 schedules. Shall we go on?

Since we all spend most of our waking lives at our desks, it stands to reason that it shouldn't be a constant drag on our happiness. One way to get rid of your job woes is to pick an industry that can work with your life, not against it. You've probably read that tech jobs usually come with open floor plans, endless perks (nap pods, anyone?) and competitive salaries.

Remote work equals happier employees. Being tied to a desk doesn't have to be a reality when you work in tech. In general, more and more employees are working from home (or, in fact, anywhere with a great Internet connection) either all or part of the time—and the tech industry is full of remote work opportunities.

The benefits of working remotely go far beyond ditching the stuffy work wardrobe: According to a study by PGI, 82 percent of telecommuters reported lower stress levels and 80 percent said the remote work improved morale in general. And why wouldn't it? Working remotely also nixes the need for a daily commute, so say goodbye to those awful mornings fighting traffic and sit back with a cup of coffee while you wait for your workday to start in the comfort of your own home.

Your career works *around* your life. Want to work hard but still want some added flexibility? Many companies in tech offer flex-work, so you can set your own hours to come into the office. You can pick the hours that work best for you and when you're most productive (or when you have other obligations) so if you need your early morning to drop off your kids at school and want to roll into the office at 10am, you'll still be right on time to work!

Flex schedules are all about working smarter, not harder—and choosing your own schedule so that you can do your best work is an awesome benefit for both the employee and the company. According to Inc, tech employers can attest to the benefits of flex schedules to include a more productive workforce,

happier and more satisfied employees, and faster company growth. With a career that works around your life, finding balance can actually be within your reach.

You'll make more money. You might have heard that jobs in tech come with impressive paychecks. Jobs in tech are in high demand and many come with high salaries. According to Glassdoor, the US median s alary for front-end developers is more than $75,000. In markets such as Silicon Valley where the competition for top tech talent is intense, the median salary can rise well above $100,000. It's totally possible to make 6 figures working in different roles across tech.

And while money is, of course, not the only path to happiness, money does mean freedom—the freedom to leave a bad relationship, the freedom to pursue a passion, and the freedom to create the life you want for yourself.

Sounds pretty good, right? This could be you someday if you're motivated enough to put in the time and effort in learning digital skills.

Keep yourself encouraged and stay motivated! 10 tips to help you stay encouraged

So you are not feeling motivated to finish school? Sorry to hear that, but guess what – life goes on. Get over yourself.

Success in school isn't always easy! You're going to have to sit down and do work when you'd really rather stare aimlessly at your phone screen. But the more you get used to doing things you don't want to do, the easier it'll become–self control is like a muscle, so every time you practice, you'll get stronger.

There are times in each of our lives when we become overwhelmed by negativity, and the voice of fear drowns out the call of love.

While you cannot always change your external environment, you do have control of what goes on in your mind. I will share some tips to help you find peace, joy, and fulfillment no matter the external circumstances, and to experience a clear and effortless path to achieving your goals.

1.   **Focus on Positives.**

What we put our attention on grows. Focusing on successes, even the smallest ones, can help you to maintain a positive mindset and to attract more of what you desire. An extra benefit is that positivity feels good for our minds, bodies, and souls, and provides momentum for forward-movement.

2.   **Be Kind to Yourself.**

Negative self-talk can wreak havoc on your self-esteem and emotional well-being. That is why it is so important to tap into your inner coach rather than your inner critic. If you catch the voice in your head acting like a bully, do not waste your energy arguing. Just shift your attention to thoughts that are more hopeful and encouraging.

3.   **Be Realistic.**

Set goals that are concrete, measurable and attainable. Remember a bunch of tiny steps covers the same ground as a giant leap. And smaller goals mean that you will have more opportunities to experience success on your way to reaching those grander goals.

4.   **Stay Flexible.**

There are an infinite number of paths to any end-point. So, if you find yourself trekking along an arduous trail,

you might want to consider looking for a different route. Revising your goals does not mean that you need to let go of your dreams. It just opens you up to new options and more creative ways of getting to the place where your spirit will soar.

5. **Don't Sweat the Small Stuff.**

Remember your ultimate goal is to live more joyful, meaningful and inspired life. If you focus mainly on following your joy, you will be less likely to feel let down when all the smaller details do not line up exactly as you think they should.

6. **Allow Space for Inspiration.**

It is natural to want to see immediate results, but it also important to allow space for your dreams to germinate and grow. Making space in your life for change brings a sense of allowing things to happen rather than trying to micromanage and control the process. So, instead of telling yourself, *"I am stuck,"* try, *"I am stepping back to allow space for my dreams to materialize."*

7. **Release Attachments.**

The more we attach the outcomes the more we run the risk of trying to over-control and smother our dreams. Attachment comes from our small egoic minds along with all of our other mental and emotional baggage. Releasing attachments means tuning into something greater than ourselves and knowing that if we don't get what we think we want it is only because the universe has something even better in store for us!

8. **Spend Time with People who Support Your Dreams.**

Do not let other people's negative talk and beliefs bring you down. Surround yourself with people who are honest, supportive, and whose values and vibes align with your own.

9. **Welcome Divine Support.**

Know that you do not need to do everything! We all have a divine support system willing to step in and support us once we invite in that support. We can access our celestial support any time, and anywhere just by setting an intention and being open to receive.

10. **Enjoy the Process.**

So many of us experience life as a series of struggles to reach an unattainable goal. To shift this belief, focus on finding joy in the process,

not just the imagined outcome. For example, instead of focusing on how great your body will look when you get through this new diet and lose those 30 pounds, focus on how exciting it is to be making new and healthier dietary choices and how good and healthy your body feels now.
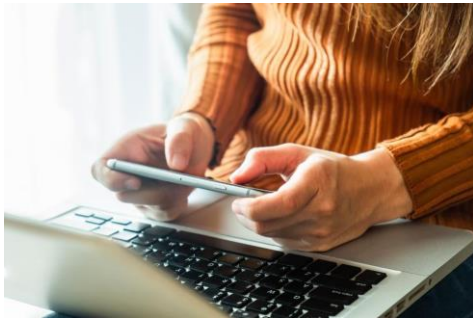
Quick & to the point - Career Advice

Question: *"There are SOOOO many jobs online – where is the best place to post my resume?"*

Answer: There are a lot of ways to get your resume in front of the right people, and your best chance for success is to do everything you can to get yourself out there. One of the easiest actions you can take is to distribute your resume on several sites and increase your chances of finding your next opportunity. You could be found by your future employer, or even a recruiter could take an interest in your background and then do the work for you.

After reviewing all the best resume sites, I ecommend using ResumeRobin to distribute your resume because you can get in front of a lot of people without investing too much of your valuable time. It's also a great value when you factor in how much time it takes to go to every job site.

I've also hand-picked my favorite 10 sites and services to post a resume online to help you find your next opportunity.

- ResumeRobin - Massive distribution
- Dice - The place to go for tech jobs.
- Indeed.com - The biggest job search engine.
- LinkedIn - Make sure your profile matches your resume.
- ZipRecruiter - A major up-and-comer in job search.
- CareerBuilder - Highly visited job board with full-time opportunities.
- Monster - Popular job site with all kinds of jobs, including part-time.
- Facebook - Leverage your friend network as a professional network.
- Twitter - Employers will look at your account if you have one.
- University Career Centers - Leverage your education even more.

Things To Take Off Your Résumé And LinkedIn Profile

Hiring managers are generally busy executives with little time to spend reading lengthy résumés. To be time-efficient, they need to see the candidate's qualifications that are required for the job at hand. They have very little patience for fluff and extraneous information that distracts from their core skills and experience. Also, there are certain things listed on a résumé or LinkedIn profile that are deal killers. Here is a list of items that you should immediately take off your résumé or LinkedIn profile, so as not to waste the hiring manager's time or incredibly annoy him or her:

- Try to keep your résumé and LinkedIn profile concise and tight. Your job may be exciting to you; however, a future employer doesn't want to wade through your *War and Peace* novel. Keep it brief and to the point.

- Try to stick with the last 10 years of experience if possible. There is no need to go way back in time to cite your paper route in middle school.

- Remember to update your résumé and LinkedIn profile before you start interviewing. It makes you look lazy if your past jobs have a large amount of descriptive text, while your most recent job only has about two lines. Human resources professionals will feel that you are unmotivated and possibly interviewing begrudgingly.

- Although it may mean the world to you, trust me, hiring managers could not care less about your hobbies.

- Never, ever have a goofy email address.

- Leave off any jobs that you held for under six months, but include them when you fill out an internal application at the company.

- Please use an easy-to-read font and format, especially when interviewing with conservative companies.

- Leave your political volunteer experience and affiliation out of the résumé and LinkedIn profile

- There should be no excuse for having misspellings or grammatical errors.

Useful Things to know about tech jobs in Michigan

The technology industry is driving job growth in metro Detroit, according to several new reports that also give insight into Michigan's place in the 6.7 million employee national industry. Nationally, tech payroll topped $708 billion in 2015, according to a report by nonprofit CompTIA. During that same year, the number of jobs grew 3 percent to 6.7 million.

At the same time, educators increasingly point to STEM - or Science, Technology, Engineering and Math - as curriculum for future job prospects. Other indicators include:

- **Michigan has carved out nation-leading tech specialties thanks in large part to the auto industry.** Michigan ranks 12th in the nation in tech employment, coming in just 3,000 jobs fewer than number 11, Georgia, according to CompTIA's report.

- **Automation Alley predicts Southeast Michigan will outperform Silicon Valley in revenue, R&D investment and hiring in 2016.** According to survey respondents in Southeast Michigan:
  - ✓ 99 percent said they expect revenue growth this year.
  - ✓ 83 percent expect R&D spending increases
  - ✓ 82 percent will hire this year.

A day in the life of a
Ethical Hacker

Ethical hacking services are increasingly being recognized as a way for businesses to unearth security weaknesses before they can be exploited by online criminals. Organizations adopting a proactive approach to threat identification invariably find that this is much easier than trying to manage the fall out of a full blown cyber incident, which can cause huge financial losses and reputational damage.

Thinking like the adversary

The attack methods deployed vary greatly and largely depend on the organization targeted. Social engineering tends to be one of the most effective methods to gain a foothold onto a network. This usually entails tricking victims into opening a fraudulent email designed especially for the recipient. All it takes is for one unsuspecting employee to click on a malicious link or attachment to trigger the installation of a hidden computer virus or malware and while help is away!

Once one user's account has been compromised, the next step is to monitor and impersonate that user to attack other members of the network. This process of 'snowballing' is necessary to gain the privileges needed to explore other areas of a network and discover new assets. In some instances, we start right at the very top of the organization and compromise the account of the CEO. It's surprising what information one can learn just by talking to a receptionist.

Widespread use of weak passwords means that social engineering efforts aren't always necessary. Through the use of automated brute force tools, which enter thousands of common password variations, we are able to crack user credentials in a matter of minutes.

Special message from GIT

Greeting from GIT! We just wanted to take a moment to say we hope you enjoy reading our monthly newsletter. It is our way to provide you with career and technology news, in a refreshing way.

GIT has many benefits to offer making it the best school to train at! We focus on your goals and your interests and, work to bring those together to help you meet your career objectives in a cost-effective manner.

Global I.T. also assures your certification and will put their name on the line to back it up. In addition to Training, GIT offers services in the areas of Staffing, Web Development, and IT Consulting Solutions.

Let's continue to work together to make your dreams come true!

Be sure to follow GIT.