Is Your Career AI Safe

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Dean, UCSC Extension

Topics

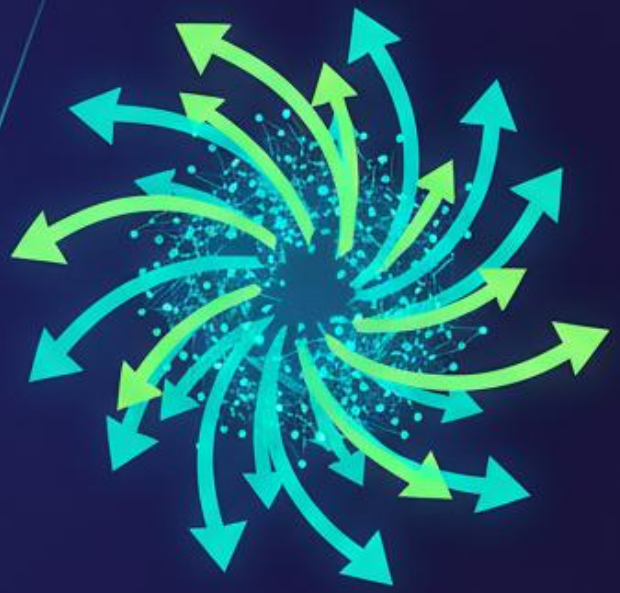
- AI Driven Disruption
- Impact of AI on Jobs
- Your Tool Kit – Future Proofing

AI Driven Disruption

DISRUPTION

A radical change to an existing industry industry or market

introducing new models that displace established players

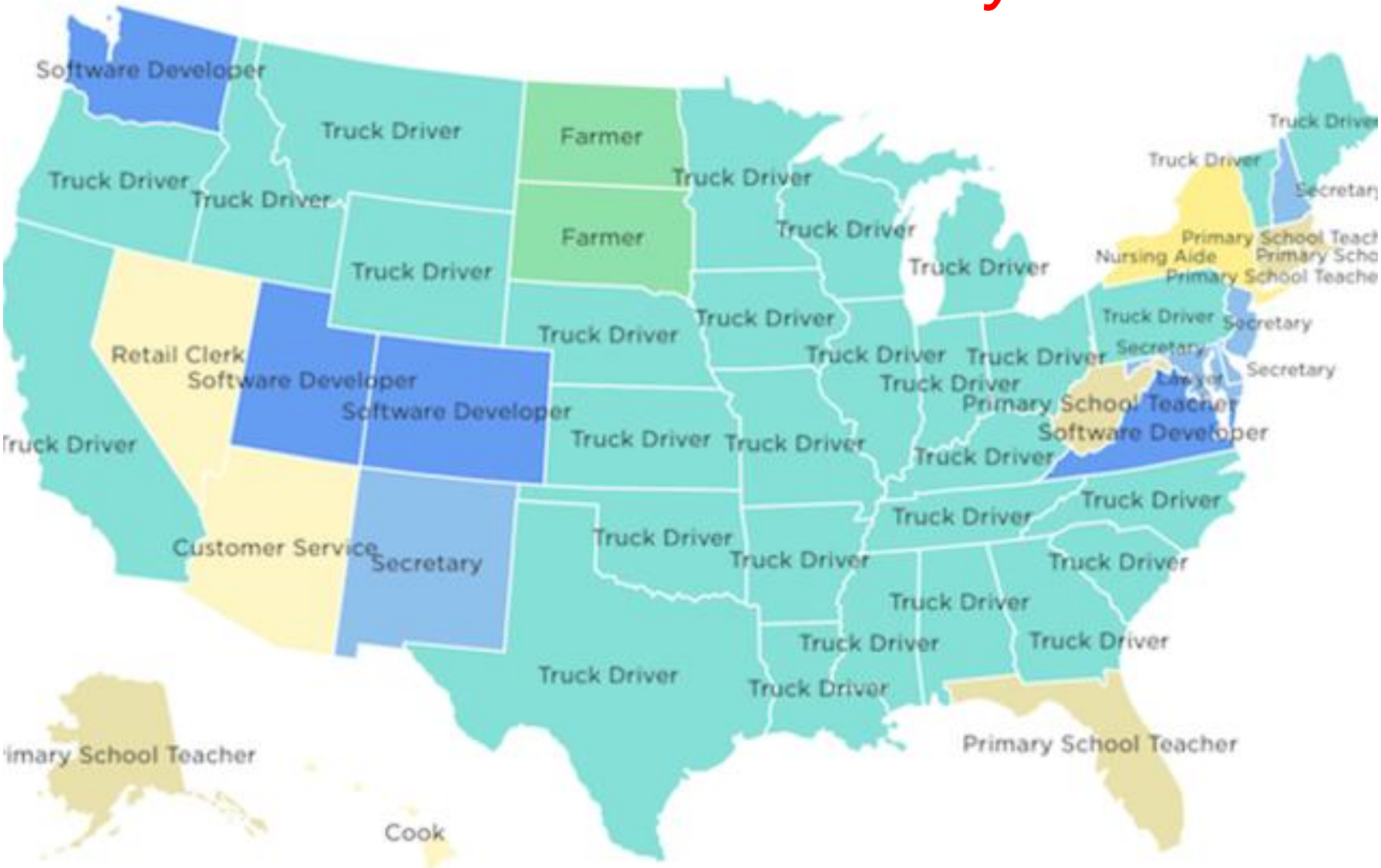


DISRUPTION
OPPORTUNITY

The Year Is 2025

5M Jobs

Most Common Job by State


Software Developer
Truck Driver
Truck Driver
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Truck Driver
Farmer
Farmer
Truck Driver
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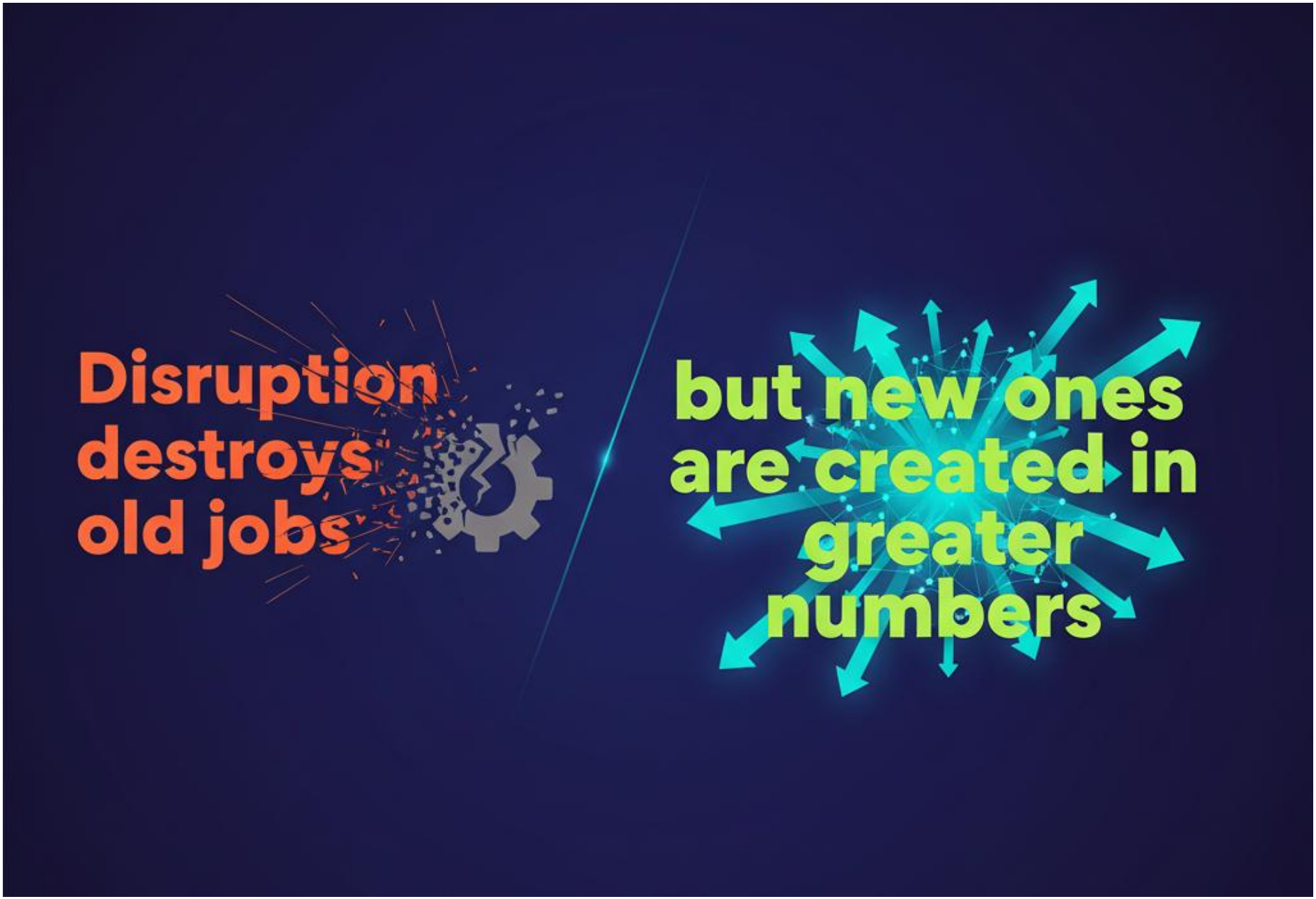
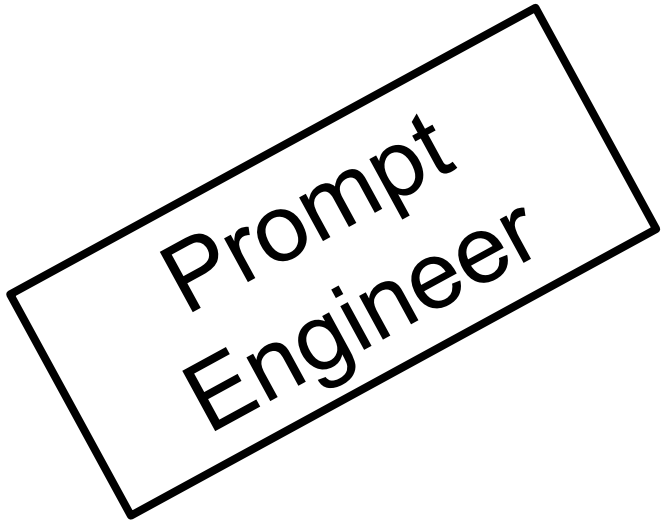
Truck Driver


Disruption destroys old jobs
but new ones are created in greater numbers

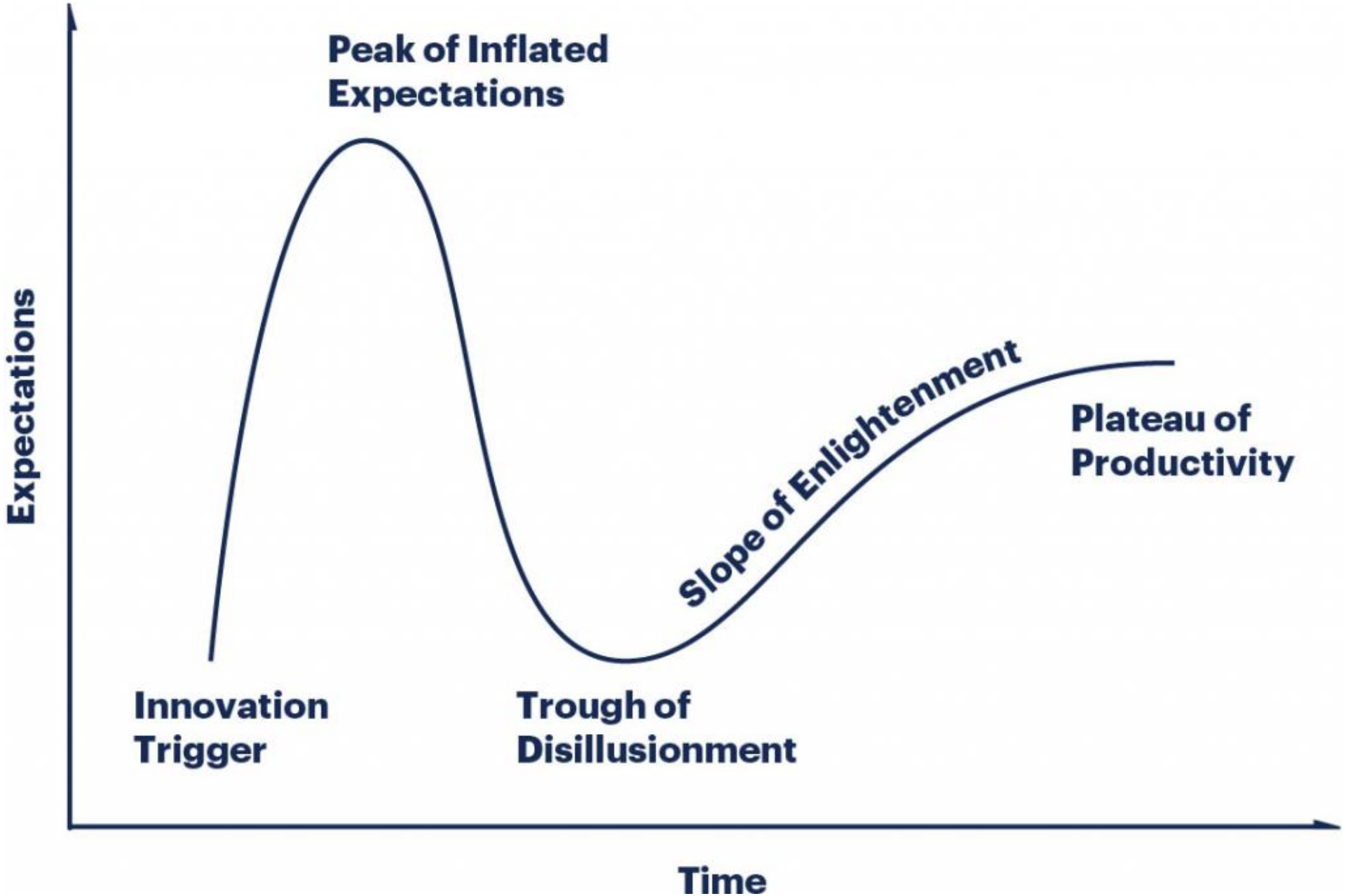
Jobs That Didn't Exist 10 - 15 Years Ago

- AI-Augmented Customer Specialist
- Conversational AI Trainer
- Driverless car engineer
- Social Media Influencer
- AI Supervisor or Agent Coach
- Teledoc
- Drone operator
- Chief listening officer
- Budtender
- Genetic Counselor
- E-sports coaches
- Big data scientist
- Online dating profile writers
- TikTok marketer



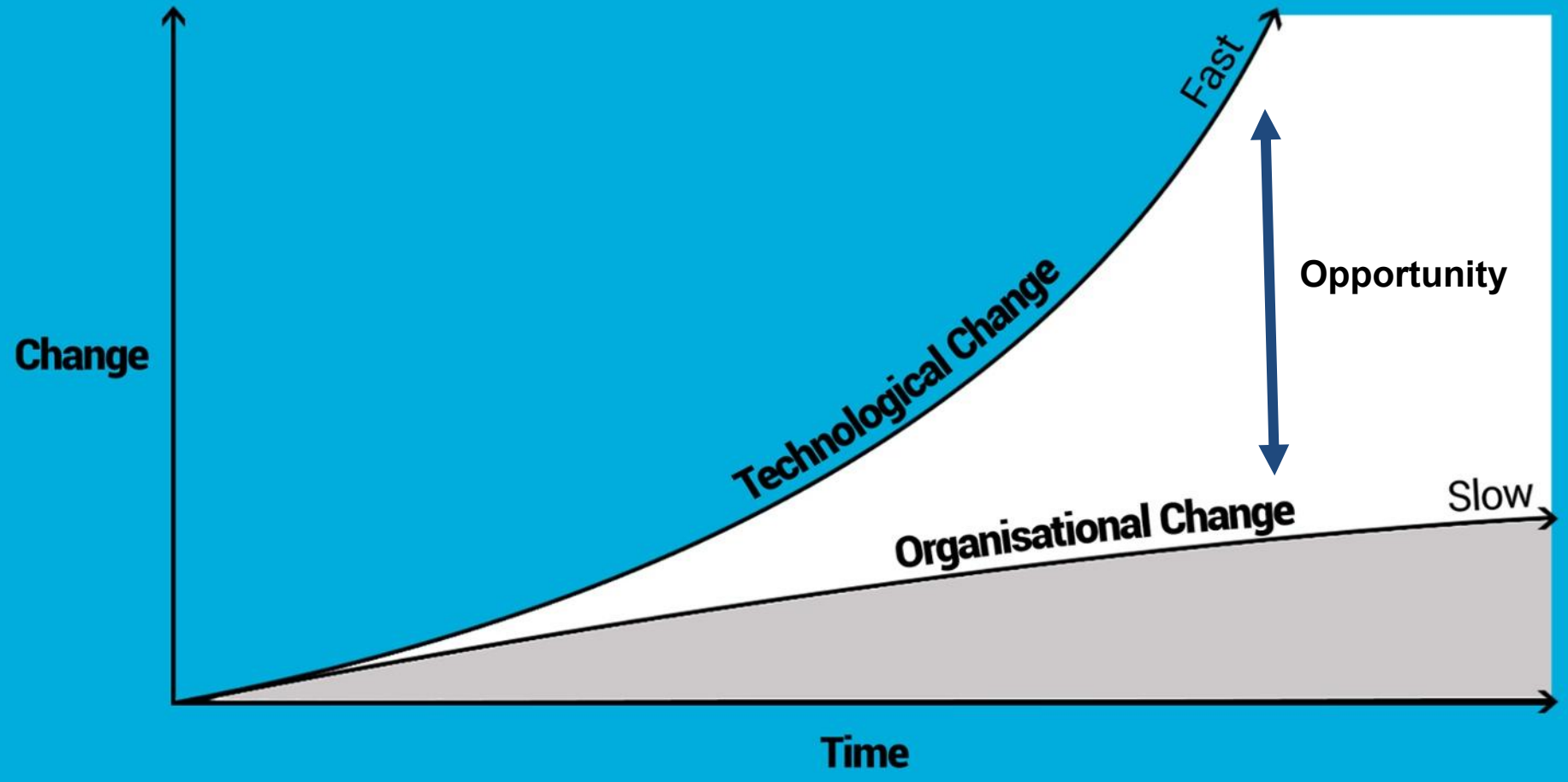
Skills and Traits that Matter

- Coordinating with Others
- Judgment and Decision Making
- Creativity
- Service Orientation
- Complex Problem Solving
- Critical Thinking
- People Management
- Emotional Intelligence
- Negotiation
- Cognitive Flexibility


Peak of Inflated Expectations
Expectations
Slope of Enlightenment
Plateau of Productivity
Innovation Trigger
Trough of Disillusionment
Time

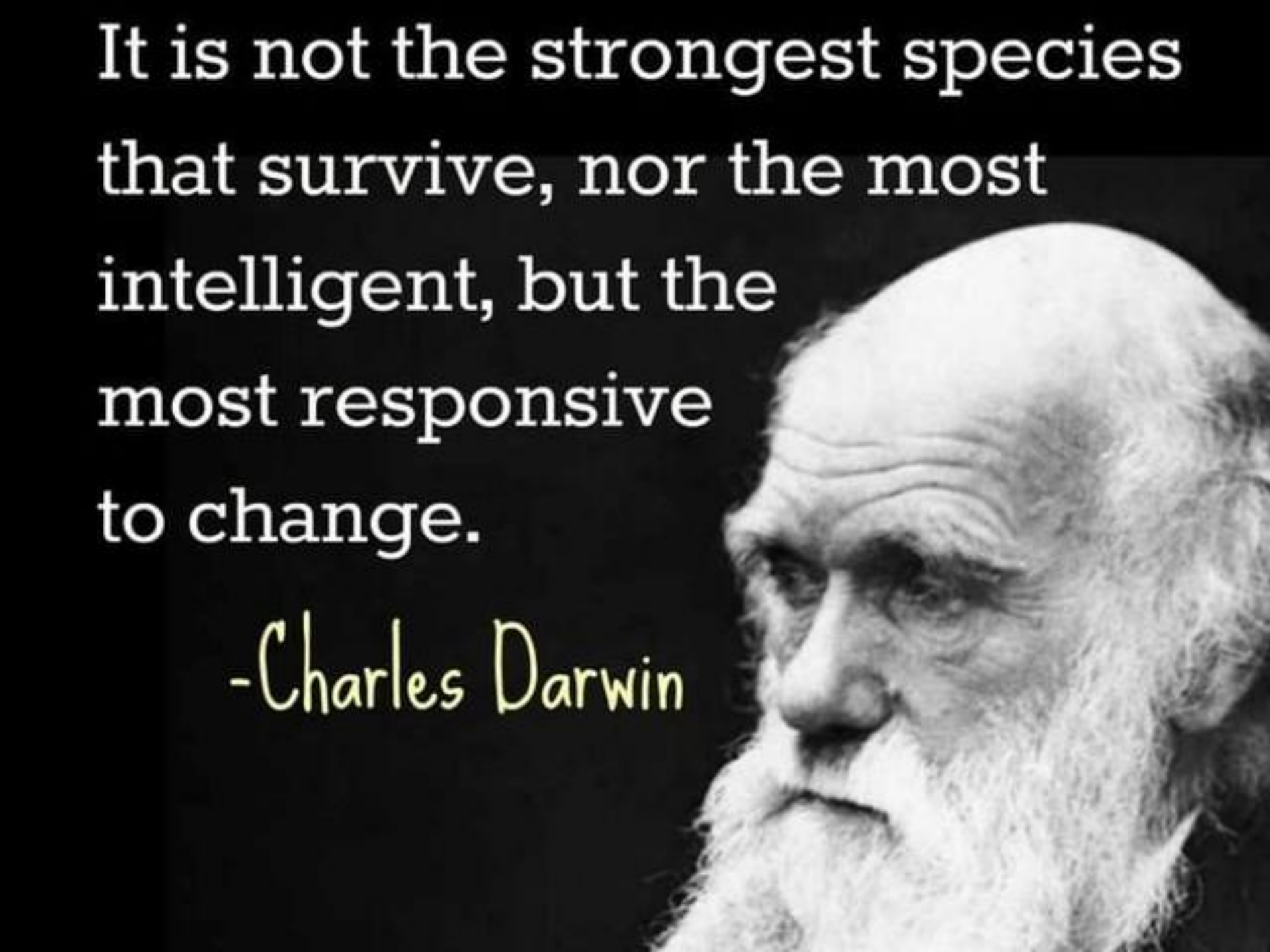
MARTEC'S LAW

Technology changes quickly; organisations change slowly

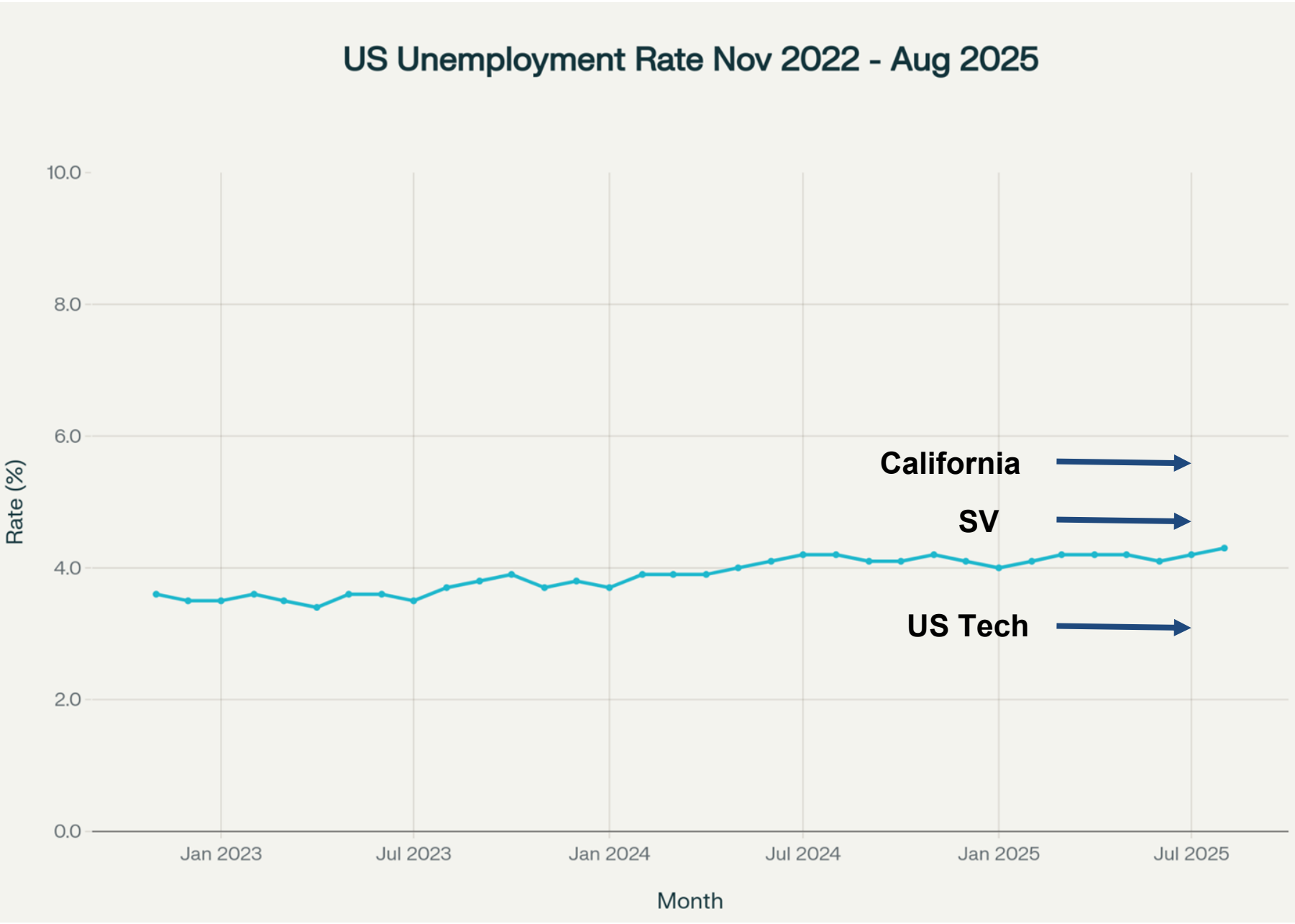


It is not the strongest species that survive, nor the most intelligent, but the most responsive to change.

-Charles Darwin



Impact of AI on Jobs


US Unemployment Rate Nov 2022 - Aug 2025
10.0
8.0
6.0
4.0
2.0
0.0
Rate (%)
Jan 2023
Jul 2023
Jan 2024
Jul 2024
Jan 2025
Jul 2025
Month
California
SV
US Tech

Job Postings

Company / Sector	Job Cuts Announced	Notes
Technology Companies	107,878	Includes 5,639 in September; informed by AI impacts, training demands
Retail	86,233	203% increase YoY, cautious holiday hiring forecast
Amazon	14,000	Largest workforce cuts ever
UPS	48,000	ear
Intel	25,000	mation and market pressures
Microsoft	15,000	ucturings
Accenture	11,000	nts
Government Agencies	~300,000	Reductions especially in Washington, D.C. area
Other Sectors	Remaining ~433,889	Various sectors including manufacturing, logistics, finance

Total tech employment: 6.9M (1.6% red)

2025 AI related reductions: 30,000 at Salesforce, Klarna, and Duolingo.

- Total announced job cuts: ~946,426 (Jan-Sep 2025)

Thru Oct. 1.1M

What is Going On?

- Hangover from post COVID hiring
- General restructuring (eg. Amazon)
- General Caution with the current environment
- Anticipation of AI
- Overall the job market is a lot more competitive than it used to be
  - Problem more pronounced for fresh grads.

The AI Wave

- Roughly 46% of jobs could see at least 50% of their tasks impacted or automated by AI.
- AI is changing every profession — from coding to customer service to design.
- Over 40% of workers already use AI in some form.
- It isn’t if AI will affect your job, but how soon and how deeply.
- AI won’t take your job — someone using AI will.

What Jobs are Most at Risk?

- High Risk:
  - Routine or repetitive tasks (data entry, accounting support, scheduling).
  - Predictable physical work (assembly lines, basic logistics).
- Medium Risk:
  - Analytical or technical roles that rely on pattern recognition (radiology, finance).
- Low Risk (AI-Resilient):
  - Roles requiring human judgment, empathy, creativity, leadership, or ethical decision-making.

What Makes a Job AI Safe

- Human Connection: Communication, empathy, storytelling, teamwork.
- Strategic Thinking: Framing problems, managing ambiguity, decision-making.
- AI Collaboration: Using AI as a co-pilot, not a competitor.
- Continuous Learning: Adapting faster than automation evolves.

Your Tool Kit

How To Build Your First AI Email Assistant (Part 1: The No-Code Brain)

Stop drowning in emails! This no-code n8n guide shows you how to build the "AI brain" that automatically reads, classifies, and labels your Gmail inbox in minutes

Max Anh
November 04, 2025

Slide Generator

Upskilling is the New Job Security

- AI Fluency: Commit to mastering at least one generative AI tool (e.g., Gemini, Co-Pilot) for a core job function.
- The Multiplier Effect: Leverage AI to increase your productivity (10x) and reduce routine work, freeing time for high-value tasks.
- Continuous Reinvention: Job security is no longer about stability; it's about the speed of your personal evolution.
- Upskill Continuously: Courses, microcredentials, experimentation.

Call to Action

- Automate: List 3 tasks in your current job that AI could handle better than you within 6 months.
- Amplify: Which 3 human-centered skills will you actively practice to add non-automatable value?
- Redesign: How can you restructure your week to dedicate the newly freed-up time to mastering those human skills and new responsibilties?
- Network Smartly: Join communities where humans + AI collaborate (e.g., AI-in-Marketing, AI-in-Education).

Human Centered Skills AI Cannot Replace

- Critical Judgment: Asking the right questions, not just getting answers.
- Emotional Intelligence: Building authentic trust.
- Creative Vision: Generating original ideas and strategic concepts (not just remixes).
- Ethical Oversight: Interpreting consequences and assuming moral accountability.
- Adaptability (Learning Velocity): Rapidly acquiring new tools and pivoting your role.

Does the Future Belong to You?

- The AI-safe job isn’t a job title — it’s a mindset.
- Curiosity - Stay human - Let AI amplify your strengths.
- “In times of change, learners inherit the earth.”
- Changing defintion of expertise

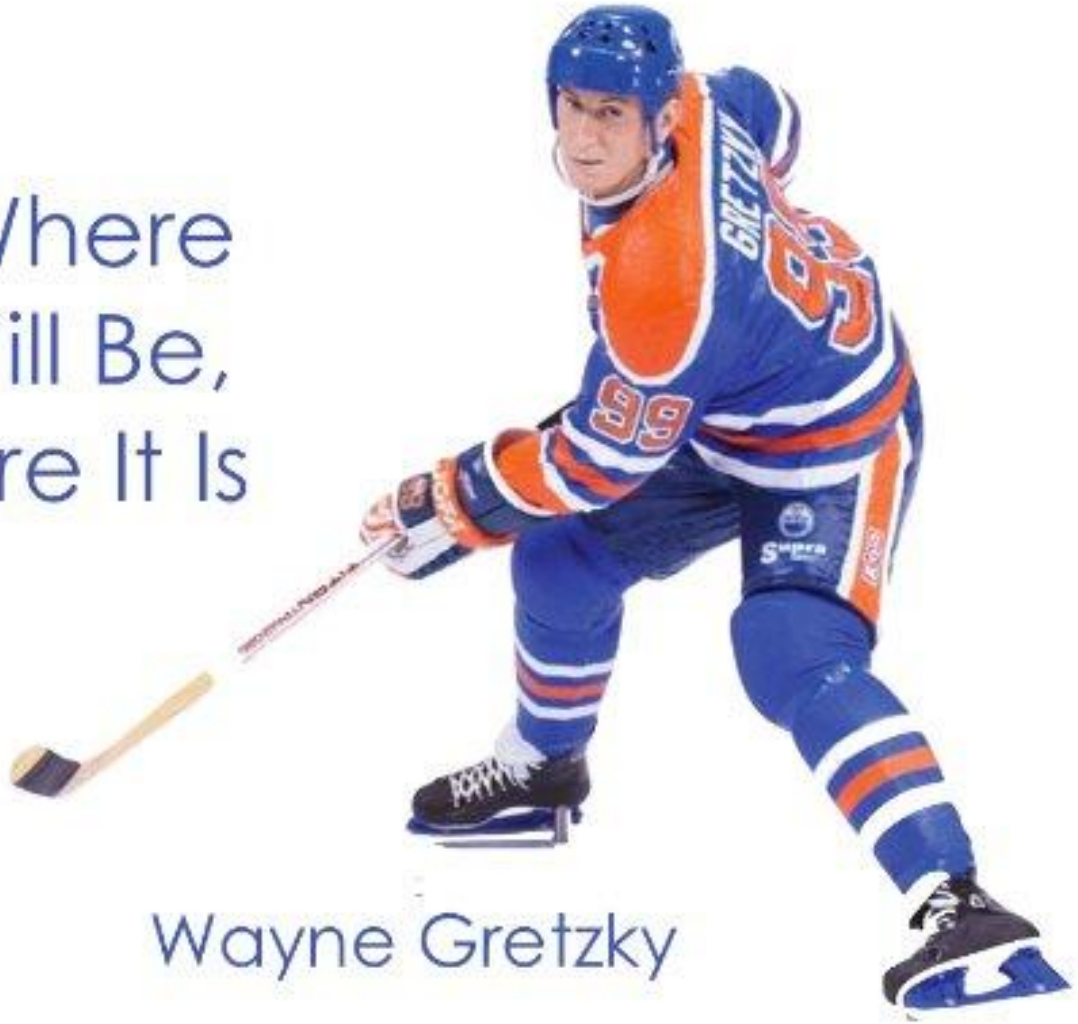
Wrap Up

- AI will not steal your job. A person who masters AI will take the job of a person who doesn't.
  - Does your resume state that you know how to apply AI to the job you seek?
- Curiosity - Stay human - Let AI amplify your strengths.
- “In times of change, learners inherit the earth.”
- Changing definition of expertise

Your Resume

AI-fluent professional who integrates generative and analytical tools into daily work to improve performance, innovation, and workflow. I deploy AI tools in more than half of what I do. I am more productive than ever before.

I Skate To Where
The Puck Will Be,
Not To Where It Is



Wayne Gretzky

The End

https://scale.com/blog/rli?utm_source=www.aifire.co&utm_medium=newsletter&utm_campaign=anthropic-almost-married-altman-s-anthro-ai&_bhlid=24582e1cce635a724e0d7fa98692547b0a2c84c9

Completion Rate of tasks by AI is abysmal

Slide 13: UCSC Professional Education Resources

- **Title:** UCSC: Your Partner in AI Readiness
- **Key Content:**
  - Our programs are built around the **skills AI can't replace.**
  - **Focus Areas:** Strategic Leadership, Data Science & ML (Building the systems), Ethical AI Governance, Advanced Communication.
  - **Next Step:** Visit our website to explore certificates and courses designed for the AI-era professional.
- **Speaker Notes:**
  - Tie the conversation directly back to the value of UCSC Professional Education. We teach the skills that put them in the "resilient" column.

1. UPS: 48,000 employees
2. Amazon: Up to 30,000 employees
3. Intel: 24,000 employees
4. Nestle: 16,000 employees
5. Accenture: 11,000 employees
6. Ford: 11,000 employees
7. Novo Nordisk: 9,000 employees
8. Microsoft: 7,000 employees
9. PwC: 5,600 employees
10. Salesforce: 4,000 employees
11. Paramount: 2,000 employees
12. Target: 1,800 employees
13. Kroger: 1,000 employees
14. Applied Materials: 1,444 employees
15. Meta: 600 employees