

Entering the World of Yesterday, Tomorrow and Fantasy: Artificial Intelligence and the Impact it Will Have on the Workplace

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What is AI?

- Oxford English Dictionary "the theory and development of computer systems able to perform tasks normally requiring human intelligence, such as visual perceptions, speech recognition, decisionmaking, and translation between languages."
- In short think, learn & decide
- Employees throughout the U.S. "huge threat."

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AI - Major Element of The Fourth Industrial Revolution (4IR)

- "The AI revolution, will lead to . . . no more need to perform routine, limited value, jobs.
 The workforce and the underlying employment models, will move from long-term, full-time employment agreements, to flexible, selective premium services offerings."
- "A robot and an intelligent algorithm cannot become ill, have children or go on strike and is not entitled to annual leave . . . and works reliably and constantly in danger zones and during the night."
- 65% of Americans expect that, within 50 years, a robot or intelligent algorithm will be doing their work.

George Krasadakis, *Al: The Impact on Employment and the Workforce*, MEDIUM (Jan. 17, 2018), https://medium.com/innovation-machine/artificial-intelligence-3c6d80072416.

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Overview of How AI is Impacting the Workplace

- Reductions in Force (RIF)
- Union Context
- Autonomous Vehicles
- OSHA
- Screening and Hiring
- Assessing Employee Data (Smartwatches)

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Reductions in Force

- Al algorithms and robots are replacing human workers.
- Employers may ultimately engage in mass layoffs and RIF for efficiency and cost-savings.



WARN Acts and miniWarn Acts

• WARN Act Requirements

- Generally covers businesses with 100 or more full-time employees (or 100 or more part-time with additional requirements)
- Requires 60 days' written notice of a plant closing or mass layoff to:
 - Affected non-union employees

 - Representative of those employees
 State or entity designated to carry out rapid response activities; and
 - Chief elected official of local government where closing or layoff occurs

• miniWARN Acts

• CA, IL, MD, NJ, NY, TN, WI



Avoiding RIF Liability

- Request a seat at the table
- Consider voluntary ADEA-compliant termination plan.
- Comply with WARN Act and miniWarn Acts.
- Consider whether reductions or plant closings require mandatory bargaining.
- Encourage employers to communicate positive aspects of automation (effect on workplace morale)



Union Considerations

- "People Before Robots"
- September 2018– Transportation Workers Union of America launched campaign and threatened large strike over driverless buses coming to Columbus.
- TWUA argues buses could put roughly 17,000 Ohioans out of work.



"People Before Robots"

- Strike shows that human element of the job remains a hot topic.
 - Ex: Driverless buses cannot detect on-board physical threats, medical emergencies, or even suspicious packages.
- Labor Implications:
 - Potential duty to bargain over:
 - Decision to eliminate jobs when implementing Al;
 Effects the change will have on employees



Autonomous Vehicles ("Offices on Wheels")

- AV is not a question of if, but when.
- States clearing way for AV's to be tested and driven.
- Lyft- Over 5,000 driverless rides completed in Las Vegas alone.
- Potential wage and hour (tracking hours worked)
- Potential ADA accommodation issues (is driving an essential function still?) for employers.



OSHA Concerns

- Currently no OSHA standards for robotics industry.
- However, employers must still conduct "hazard assessments" and implement "hazard controls." 29 C.F.R. § 1910.132(d).

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OSHA Concerns

Limiting Liability

- Enlist assistance of OSHA-trained attorney when implementing Al.
- Employer should develop basic understanding of robot's potential hazards.
 - Robot decision tree
 - Possible response options
- Shut down
- Know whom to contact when robots misbehave.
 - Error in programming logic
 - Engineers, not HR

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Al in Screening and Hiring

<u>Traditional Pre-Employment Screening Tools</u>

- Application
- Credentials verification
- Past employment verification
- Reference checks
- Background checks
- Credit reports
 Social media
- Drug testing
- In-person interview

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- Recent LinkedIn Survey (2018) majority of companies now use data screening of some sort for employment decisions.
- Advantages
 - Speed
 - Predictive capacity
 - Consistent application of data/characteristics



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Examples of AI in Screening and Hiring

- Filtering large pools of job applicants
- Auto-screening resumes
- Al-powered recruiting assistants to facilitate applicant questions and communication
- Social media search to fill gaps in candidate profiles
- Neuroscience-based computer games to determine who interviews
- Al conducted and recorded interviews (analyzes key words, speech speed, body language, etc.)





Al Has Potential to Increase Workplace **Diversity**

- Al can act as a "devils advocate," to combat bias and groupthink
- Al can "cut out" human bias and detect cultural sensitivities
- Still, current underlying trend remains using AI to cut costs and beat competitors



Limitations of AI in Screening and Hiring

- Unconscious Bias Issue
 - What traits, skills, or characteristics do you code into the hiring program?
 - From what source?
 - Algorithms are written by humans
 - Al learns as more info (even biased info) is added
 - Litigation risk as no explaining how Al arrived at a particular decision

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Why Does this Matter?

Legal Exposure

- Programming limitations and inherent biases may lead to discrimination lawsuits or other legal challenges.
- ullet Unintentional Decisions ullet Disparate Impact Claims
 - Distance from jobsite
 - Reputation of universities
 - Previous hiring decisions
- Already talk of a "Universal Design"
 - Transparency of data use
 - Explainability of decision making
 - Data collection controls

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Case Study—Amazon (Previous Hiring Decisions)

- 2014 Al tool built to speed up recruitment
- Automatically ranked and rated resumes
- Data used to train tool drawn from resumes of previous hires (mostly men)
- Consistently ranked resumes featuring the word "women" poorly
- Tool essentially "learned" that Amazon did not want to hire female applicants

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Considerations in Limiting AI Exposure in

- Ensure proper and relevant data used when developing Al systems to assist with screening and hiring.
- Utilize AI instead of human intelligence to reduce risk of human biases.
- Use screening filters specific to position you seek to fill.
- Review any voice-recognition programs to ensure compliance with disability and ethnicity/national origin issues.
- Encourage employers to supplement AI use by personally screening applications.
- Supplement AI by screening manually if possible.



Dangers of AI in Wearable Technology

- Wearable technology (i.e., Apple Watch, Fitbit, etc.) increasingly prominent in private life.
- Al can be used in workplace to catalog and assess employee data and even to develop employee wellness
- Systems can track worker movements and identify inefficiencies.



Dangers of AI in Wearable Technology

- In workplace, wearable AI raises privacy, security concerns, and HIPPA concerns.
- Privacy Monitoring employee locations, email, and telephonic communications
- Security data breaches
- HIPPA limits on data collection, how information can be used, who it will be shared to, and notice that must be given.



Managing Employee Privacy Concerns

- Employees have a "reasonable expectation of privacy."
- So far, courts have not found that tracking employees' locations in public areas violates their privacy rights.
- Some states do still require businesses to obtain worker consent before monitoring employee location.

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Monitoring Employee Locations and Communications

- Consider creating clear privacy policies that provide:
 - Notice of tracking
 - Business reasons for doing so
 - Methods for safeguarding employee data
 - Limits on monitoring (i.e. tracking only during working hours)
- Obtain employee acknowledgment consenting to the monitoring.
- Disclaim any expectation of privacy in use of company systems.

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Other Workplace Implications

- Employers need skilled workers to make the most out of AI
 - Training workforce to use AI (i.e. offshore drilling, medicine)
- Reputational considerations
 - Dual use of AI can be a PR nightmare
 - CEOs now implementing technology with potential use for things such as warfare (i.e. drones)

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Integrating AI into your interaction with the **Employment Lawyer**

- Discovery in employment litigation produces staggering amount of data.
- Lawyers expected to locate and review efficiently.
- Al analyzes larger quantity in faster amount of time.



Integrating AI into your interaction with the **Employment Lawyer**

Sources HR must think about at the beginning of a case or in providing information to lawyer when seeking counsel

- CRM data
- Slack
- Email
- Texts
- Computer sign offs/on
- Security badge data for entering/exiting



Final Questions?

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