responsible AI for Labour Market Matching WEC-Europe

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we have millions of applicants to our jobs annually

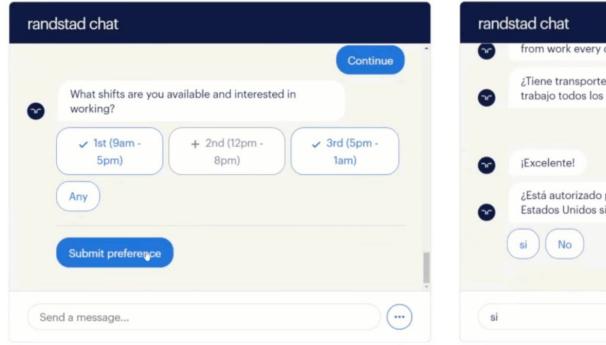
some jobs have over 200 applicants

how can we respond to 100% of applicants 24X7 and provide an excellent mobile experience?

we developed a pre-screening and scheduling chatbot

human-forward design

low friction UI



multiple languages



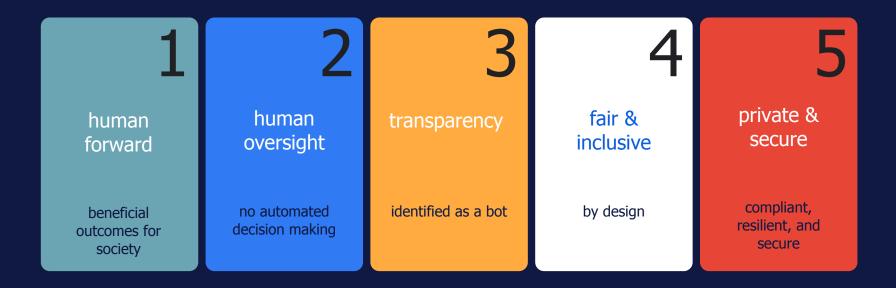
human-forward design

easy interview scheduling

| randstad chat | randstad chat |
|--|--|
| Phone Let me find some available time slots. 06 Oct, 2020, 19:00 (America/New_York time) 08 Oct, 2020, 19:00 (America/New_York time) 09 Oct, 2020, 15:00 (America/New_York time) Check for more times | Gotcha. Good to know. How many years of experience do you have doing Packing (e.g., in a warehouse)? Type your answer below or enter '0' or 'None' for no experience Over 10 years That's very helpful. Do you have experience with Order Pulling? Yes No |
| Send a message | Send a message |

quick reply and free text input

key solution elements



AI?

- AI is only used to reduce complex, colloquial language to structured information. "Do you know the Java programming language"? "Yeah, I have over two decades of experience, still using it" -> {experience: true, duration: 20 years, current: true}
- It's not on autopilot. We keep detailed records of everything that is being said, how it is
 interpreted by the AI, and have a system in place where conversation design specialists
 review conversations at random and focus on those where AI was not confident about its
 comprehension. Hundreds of conversations are reviewed every week and every week we
 improve the comprehension skills to reduce chances of misinterpretation.
- Actual decisions are made without the use of AI; the decision to offer an interview or not is based only on the candidate's meeting objective job-relevant requirements (e.g., is at least 18 years of age, holds a valid driver's license, etc.), and those are applied uniformly across all candidates. The details of the decision making process are also logged and preserved for review/explainability.
- Note: conversations are only kept for those purposes for ~14 days after which they are purged for security reasons.





for use in the recruitment process requirements for high risk AI applicable

| apply legal & security & privacy risk management process |
|--|
| apply training data unbiased, data governance model |
| have documentation in place and maintain to show compliance |
| maintain logs for traceability and risk during life cycle flagged |
| clarify to end users that chatbot uses AI and potential implications |
| conversation logs are continuously reviewed by humans to improve responses and understanding |
| via security & privacy risk management |
| the system does not decide, but asks for additional information which also can be shared via other channels. |
| |

impact



impact conversation engine



conversations

conversations **completed** last-30 daily average of ~3600



90%

completion rate

percentage of conversations started via the randstad conversation engine that reached finished status



487K+

interviews

interviews **scheduled** last-30 daily average of ~1300

impact conversation engine

76.4%

interviews

percentage increase in interviews scheduled between April 2020 to April 2021 4.6

satisfaction

average talent rating of experience on a scale of 1 to 5



17%

talent satisfaction increase

percentage increase in overall talent satisfaction

impact conversation engine



76%

within 72hrs

percentage of interview events scheduled within 72hrs of the engagement, with 22% for the same day



50.8%

faster

percentage increase in the speed of presenting talent to hiring managers



22%

retention increase

average increase in length of assignment

by screening immediate matches we are filling jobs faster and improving the quality of candidate

randstad client

(global delivery services company)

key solution insights

people like the experience and can be happy chatting 20+ minutes

chatbots can be a good way to leverage preference data directly from job seekers to power more relevant and personalized experiences

conversation design is critical, esp. conversational divergence

randstad

human forward

