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| --- | --- | --- | --- | --- |
| **Tittle** | **Year** | **Authorame** | **Advantage** | **Disadvantage** |
| **A survey of job recommender systems** | **2012** |  | **Bidirectional recommendation. Relational aspects are included.**    **Adaptive system. Use many attributes**  **Use ontology to categorize jobs and as a**  **Use many attributes. Relational aspects are included. – Effective matching methods. – Use linguistic variables to determine skill levels.**  **Use many attributes. Transition history is included.** | **Binary representation only.**  **Less attributes used.**  **No perfect measures.**  **Key words search method. – One way recommendation. – Knowledge acquisition and knowledge engineering problems. – No relational aspects are included.**  **One way recommendation**  **One way recommendation. No relational aspects are included. Scalability, ramp up, and data sparsity problems** |
| **A survey of job recommender systems** |  |  | **Bidirectional recommendation.**  **– Effective matching methods.**  **– Use integration-based similarity in skills matching (explicit**  **Use many attributes.**  **Various information retrieval techniques are used. Constrains used to eliminate candidates before ranking.** | **No relational aspects are included.**  **– Ramp-up and data sparsity.**  **Inefficient measures.**  **One way recommendation.**  **No relational aspects are included.**  **Ramp-up and data sparsity.** |
| **Job Recommendation based on Job Seeker Skills** | **2018** | **Jorge Valverde-Rebaza Ricardo Puma Paul Bustios Nathalia C. Silva** | **In this last phase, given a certain profile with a proper representation, we select a group of the nearest job offers**  **based on the distance to that profile (job matching). In the case of TF-IDF representation, we use the cosine**  **distance while for word embeddings, we use the relatively new Word Mover’s Distance (WMD) [Kus15].** | **In this section, we present extensive empirical experiments focused on evaluating the quality of job recommen-**  **dations. For these experiments, we take the case of recommending a set of job offers given a specific professional** |