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# Career-Skill Knowledge Graph

2022 Fall DS558  
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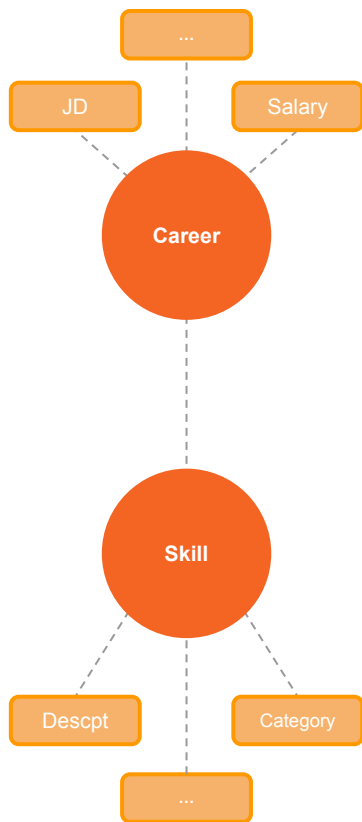
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# Domain & Goals

- Given recent opportunities:
    - Rising of Skill-based Hiring in recent job market
    - Rising of Self-Learning Platforms
  - A *Gap* in between:
    - What career to pursue?
    - What skills to acquire?
  - We fill in the *Gap*:
    - Enrich knowledge on careers and skills
    - Connecting careers and skills and among themselves
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# Datasets

- Job Posting and Career Information:
    - LinkedIn
    - Glassdoor
    - Build In
    - Indeed
  - API:
    - Lightcast Skill/Title API
  - Kaggle Datasets
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# Technical Challenges

- Job Recommendations
    - Graduating students
    - Job seekers
  - Job Information Query
    - Job descriptions
    - Required skill sets
    - Salary
  - Promotion
    - Junior -> Senior
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