

What's next for SkillsCommons?



The Future of Learning™



College of
Information and
Computer Sciences
UMass Amherst

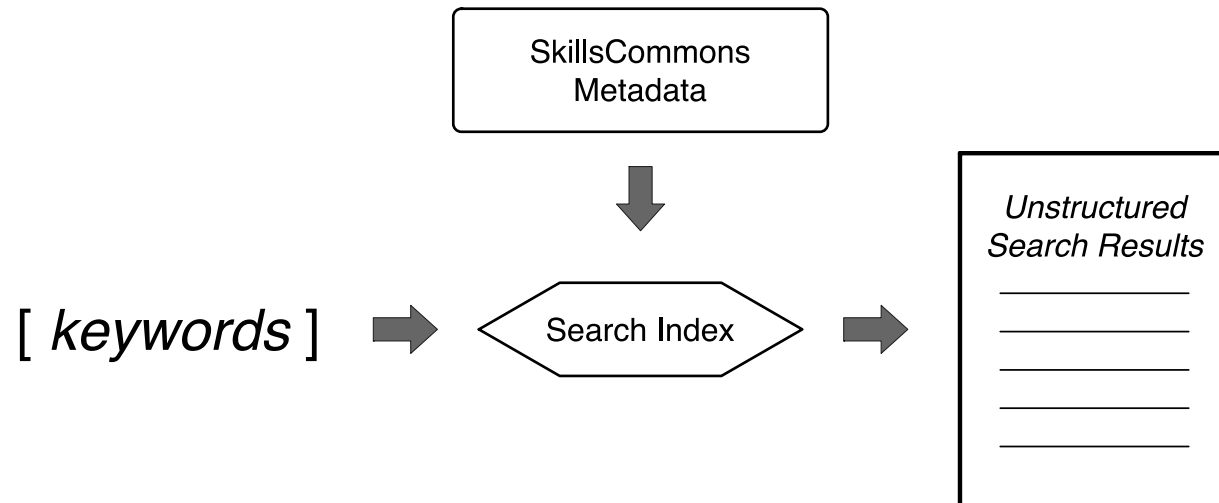
High-level Questions

How might we apply **ML/AI** methods to leverage the **vast amounts of data** already held within SkillsCommons?

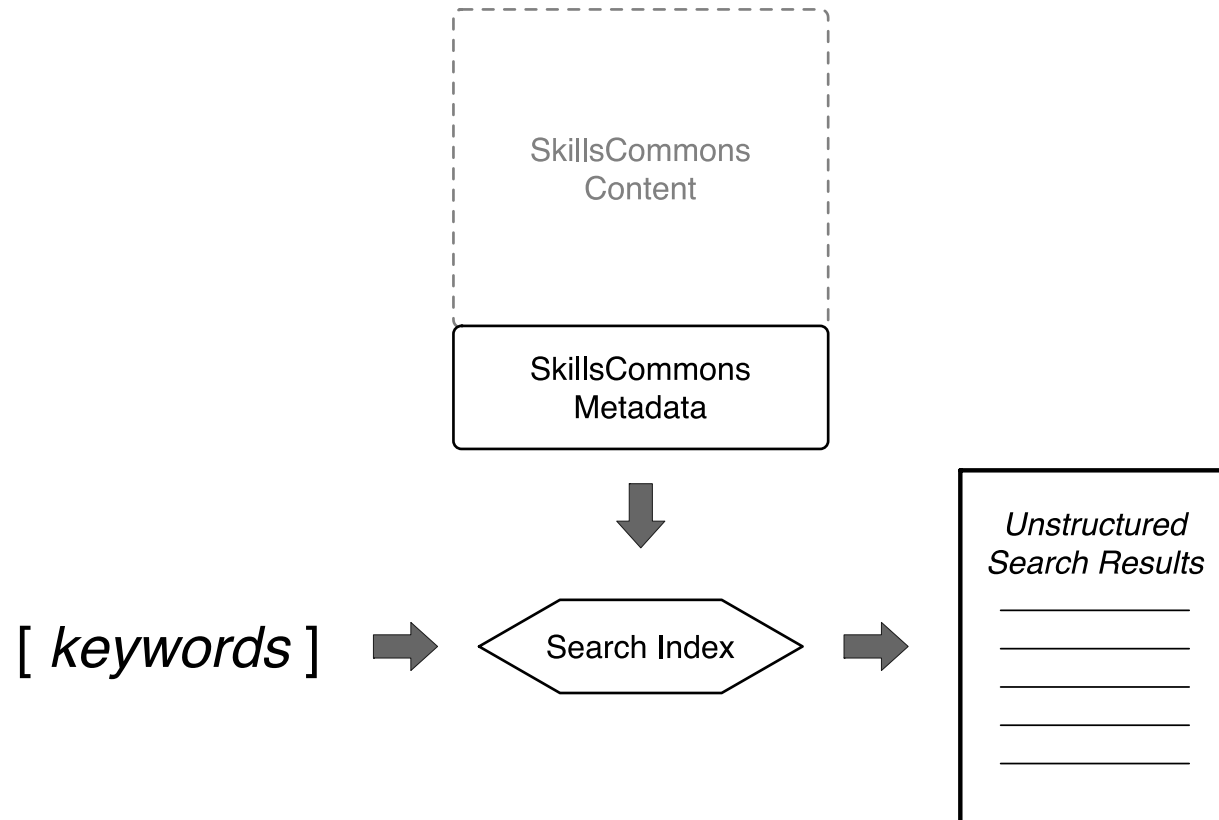
What are the biggest **barriers to reusability** in SkillsCommons?

What new functionality can imagine to allow SkillsCommons to be more useful for **educators, individuals, and employers**?

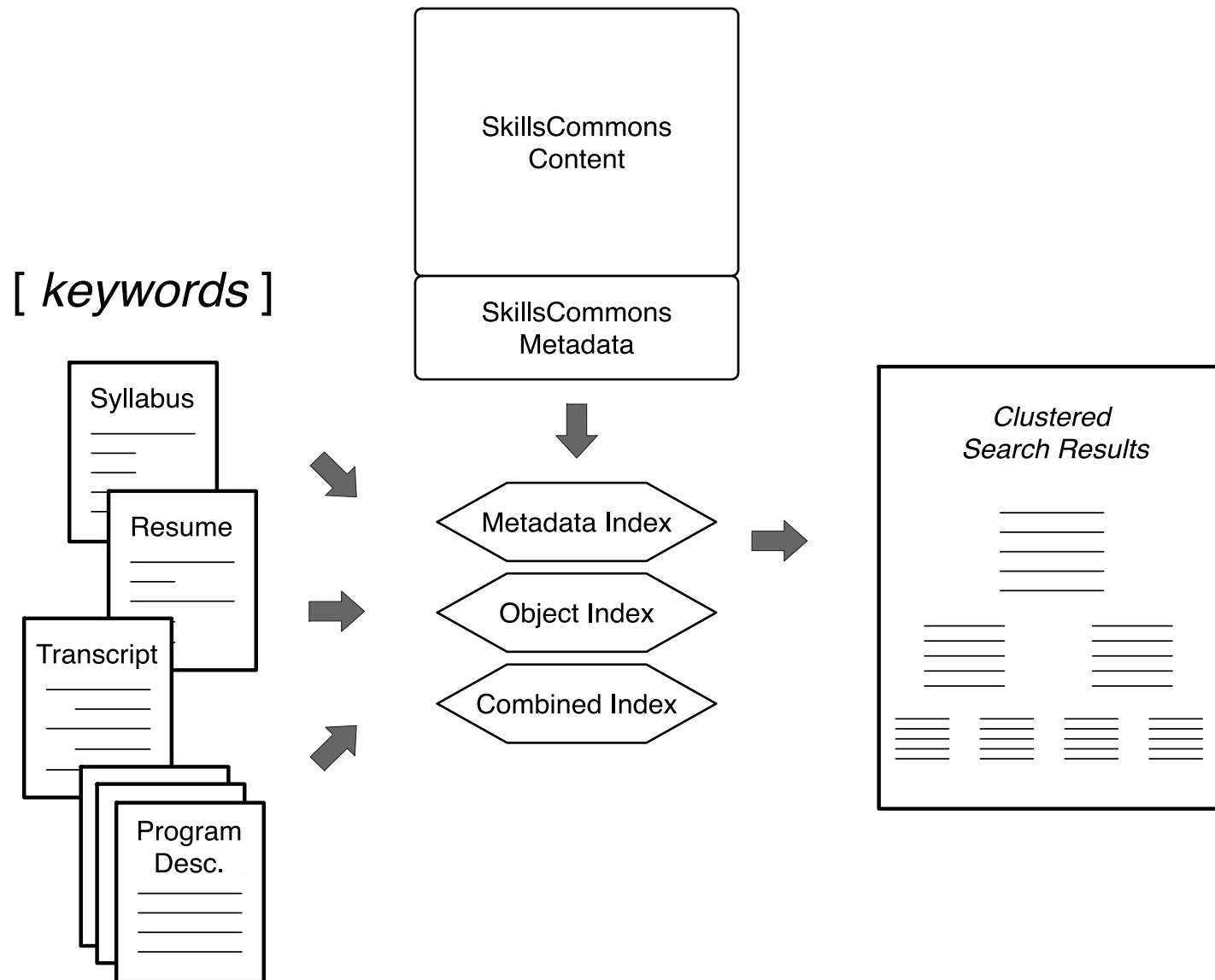
Current Search Flow



Current Search Flow



Enhanced Search Flow



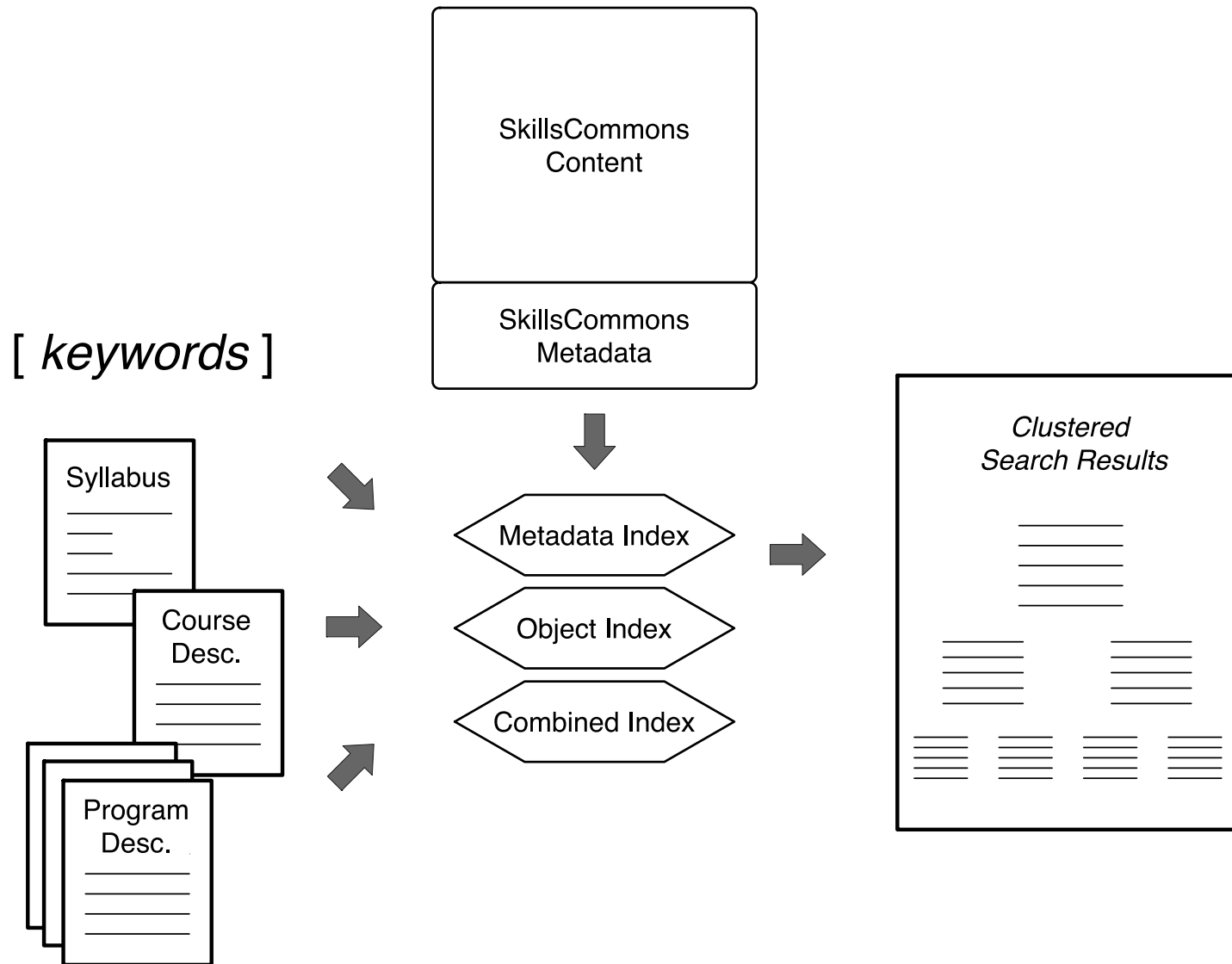
Educator Use Cases

Discovery: What courses/materials are available in SkillsCommons that cover topic X?

Course Creation: How does my course compare to others? Which topics are missing from or unique to my syllabus?

Program Development: Which courses are missing or unique to my program? Which courses in SkillsCommons are adjacent to my courses?

Educator Search Flow



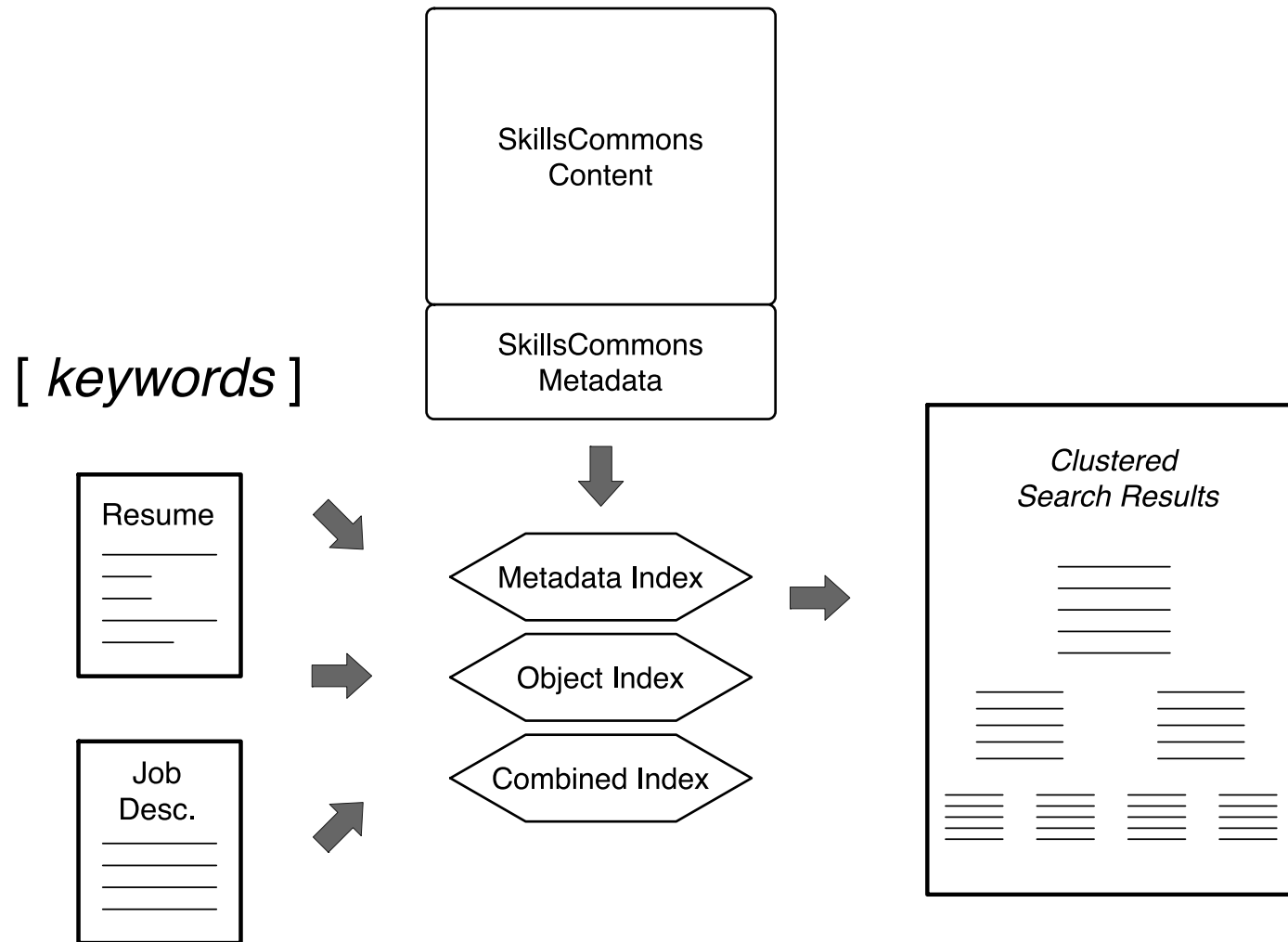
Future Use Case: Employers

Discovery: What courses/materials are relevant to my current employees for (re)training?

Needs: What types of skills are necessary to fill current job openings? What are the courses/materials associated with them?

Development: How well could SkillsCommons supplement a current applicant?

Employer Search Flow



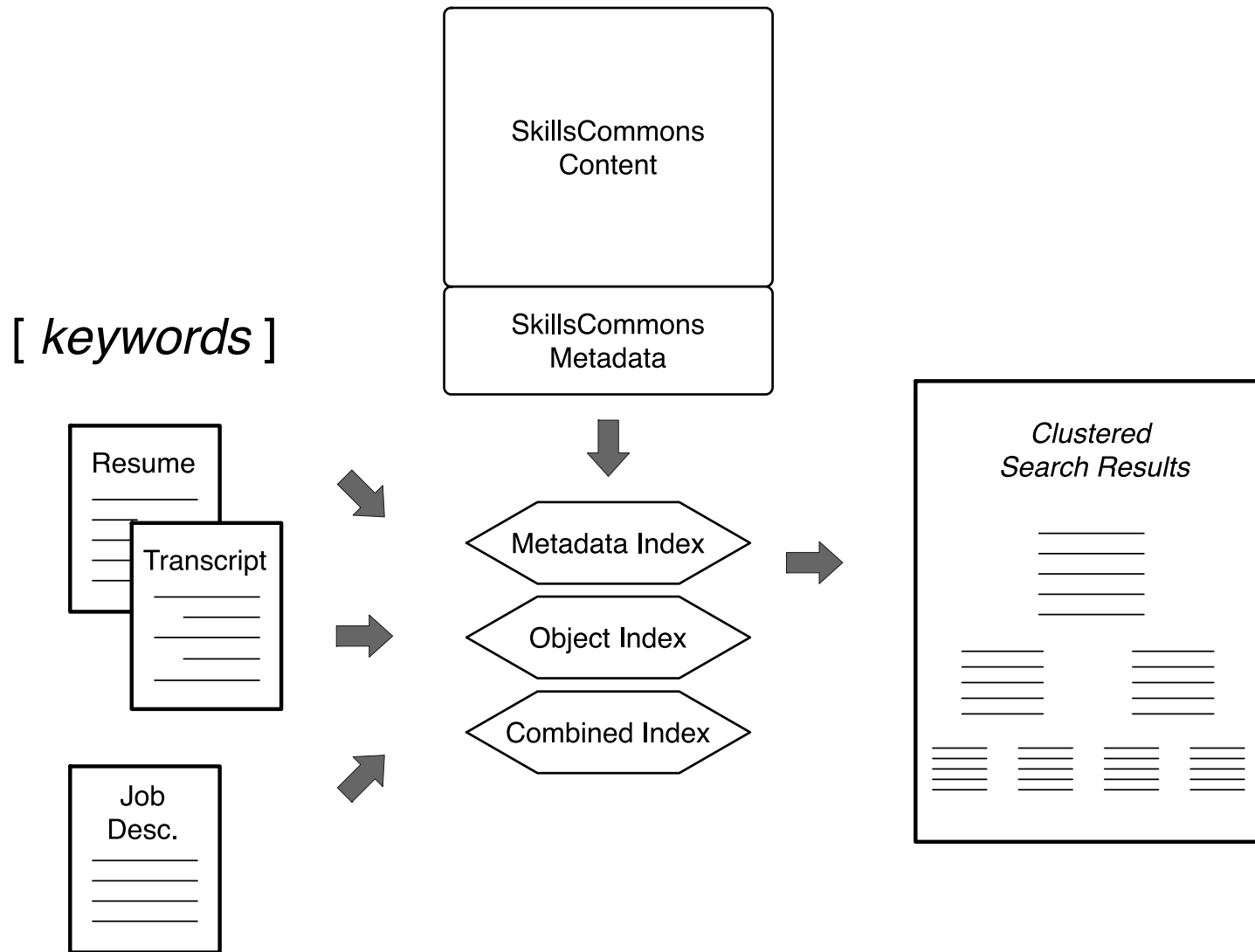
Future Use Case: Individual Learners

Discovery: What's a good next course for me given my experience?

Comparison: How do different courses/programs compare? What are the skill profiles associated with each?

Career Pathing: Which courses will prepare me for a given job? What are the “skill paths” that lead to different occupations?

Individual Learner Search Flow



Add Feedback from Colleges