

Enter query (type exit to stop): **cristina lopes**

Top 5 results:

1. <https://www.informatics.uci.edu/explore/faculty-profiles/cristina-lopes/> (Score: 140.8329)
2. <https://www.informatics.uci.edu/explore/faculty-profiles/cristina-lopes/#content> (Score: 140.8329)
3. <https://www.informatics.uci.edu/lopes-awarded-pizzigati-prize-for-software-in-the-public-interest/#content> (Score: 89.7998)
4. <https://www.informatics.uci.edu/close-to-the-trenches/#content> (Score: 89.7998)
5. <https://www.informatics.uci.edu/close-to-the-trenches/> (Score: 89.7998)

Query processed in 1.09 ms

Enter query (type exit to stop): **machine learning**

Top 5 results:

1. <https://www.ics.uci.edu/~dan/class/267P/datasets/calgary/book1> (Score: 624.7847)
2. <https://www.ics.uci.edu/~welling/publications/publications.html> (Score: 421.6066)
3. <https://www.ics.uci.edu/~pazzani/Publications/OldPublications.html#1989> (Score: 343.4317)
4. <https://cml.ics.uci.edu/category/aiml/page/2/> (Score: 267.8860)
5. <https://cml.ics.uci.edu/category/aiml/page/2/#content> (Score: 267.8860)

Query processed in 13.85 ms

Enter query (type exit to stop): **ACM**

Top 5 results:

1. <https://www.ics.uci.edu/~nenodsl/dsl97.html> (Score: 1501.6182)
2. [https://www.ics.uci.edu/~gmark/Home\\_page/Publications.html](https://www.ics.uci.edu/~gmark/Home_page/Publications.html) (Score: 511.8383)
3. <https://www.ics.uci.edu/~dan/class/267P/datasets/calgary/bib> (Score: 250.8346)
4. <https://www.ics.uci.edu/~eppstein/pubs/pubs.ff> (Score: 210.1588)
5. <https://www.ics.uci.edu/~eppstein/pubs/all.html> (Score: 193.2105)

Query processed in 8.57 ms

Enter query (type exit to stop): **master of software engineering**

Top 5 results:

1. <https://www.ics.uci.edu/~dan/class/267P/datasets/calgary/book1> (Score: 63642.1006)
2. <https://www.ics.uci.edu/~nenodsl/dsl97.html> (Score: 11191.3335)
3. <https://www.ics.uci.edu/~kay/courses/h22/hw/DVD.txt> (Score: 2295.5883)
4. <https://www.ics.uci.edu/~kay/courses/h22/hw/DVD-random.txt> (Score: 2295.5883)
5. <https://grape.ics.uci.edu/wiki/public/raw-attachment/wiki/cs221-2019-spring-project2/Team2StressTest.txt> (Score: 2147.7539)

Query processed in 49.54 ms

```
class SearchEngine:
    def __init__(self, top_n):
        self.top_n = top_n
    def search(self, query):
        results = self.index.get(query)
        for rank, (url, score) in enumerate(results[:self.top_n], start=1):
            print(f'{rank}. {url} (Score: {score})')

def main():
    engine = SearchEngine(5)
    engine.search('cristina lopes')
    engine.search('machine learning')
    engine.search('ACM')
    engine.search('master of software engineering')
```

bevinhuynh@dhcp-v103-091 SearchEngine % python3 searchEngine.py "/Users/bevinhuynh/SearchEngine/output\_Data.json"

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Query processed in 1.09 ms

Enter query (type exit to stop): machine learning

Top 5 results:

1. <https://www.ics.uci.edu/~dan/class/267P/datasets/calgary/book1> (Score: 624.7847)
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3. <https://www.ics.uci.edu/~pazzani/Publications/OldPublications.html#1989> (Score: 343.4317)
4. <https://cml.ics.uci.edu/category/aiml/page/2/> (Score: 267.8868)
5. <https://cml.ics.uci.edu/category/aiml/page/2/#content> (Score: 267.8868)

Query processed in 13.85 ms

Enter query (type exit to stop): ACM

Top 5 results:

1. <https://www.ics.uci.edu/~neno/ds1/ds197.html> (Score: 1501.6182)
2. [https://www.ics.uci.edu/~gmark/Home\\_page/Publications.html](https://www.ics.uci.edu/~gmark/Home_page/Publications.html) (Score: 511.8383)
3. <https://www.ics.uci.edu/~dan/class/267P/datasets/calgary/bib> (Score: 250.8346)
4. <https://www.ics.uci.edu/~epstein/pubs/pubs.ff> (Score: 210.1588)
5. <https://www.ics.uci.edu/~epstein/pubs/all.html> (Score: 193.2105)

Query processed in 8.57 ms

Enter query (type exit to stop): master of software engineering

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