CS 121 M2 Report:

Top 5 URLs (In Order):
Iftekhar Ahmed:

- https://www.ics.uci.edu/~iftekha/publication/on-the-limits-of-mutation-reduction-strategies/
- https://mswe.ics.uci.edu/people/faculty-staff/
- https://www.ics.uci.edu/~iftekha/publication/how-verified-is-my-code-falsification-driven-verification/
- https://www.ics.uci.edu/~iftekha/publication/a-case-study-of-motivations-for-corporate-contribution-to-foss/
- http://archive.ics.uci.edu/ml/datasets/Pen-Based+Recognition+of+Handwritten+Digits

machine learning:

- https://grape.ics.uci.edu/wiki/asterix/wiki/stats170ab-2018?version=8
- https://grape.ics.uci.edu/wiki/asterix/wiki/stats170ab-2018?version=30&format=txt
- https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2017-spring-project2?version=2
- https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2018-winter-project2?version=27
- https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2017-winter-project4?version=4

ACM:

- URL: https://grape.ics.uci.edu/wiki/public/wiki/cs222p-2017-fall?version=98
- URL: https://grape.ics.uci.edu/wiki/public/wiki/cs222-2017-fall?version=122
- URL: https://grape.ics.uci.edu/wiki/public/wiki/cs222-2017-fall?version=10
- URL: https://grape.ics.uci.edu/wiki/public/wiki/cs222-2018-fall?version=72
- URL: https://grape.ics.uci.edu/wiki/public/wiki/cs222-2017-fall?version=63

master in software engineering:

- https://grape.ics.uci.edu/wiki/public/wiki/cs222p-2018-fall-git?action=diff&version=4
- https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2019-winter?action=diff&version=83
- https://grape.ics.uci.edu/wiki/public/wiki/cs222p-2018-fall-project2?action=diff&version=2
- https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2019-winter?action=diff&version=79
- https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2017-spring-project5?action=diff&version=2

Screenshots of Interface:

Pre-Search:

```
ssha2@ics46-ssha2 22:20:27 ~/cs121/cs121_A3
$ python index_search.py
Type your query and press Enter: █
```

```
ssha2@ics46-ssha2 22:20:27 ~/cs121/cs121_A3
$ python index_search.py
Type your query and press Enter: master of software engineering█
```

Post-Search:

```
ssha2@ics46-ssha2 22:20:27 ~/cs121/cs121_A3
$ python index_search.py
Type your query and press Enter: master of software engineering
Document ID: 10736, Score: 0.8064
URL: https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2019-winter?action=diff&version=79
-----------------------------------------------
Document ID: 10009, Score: 0.8024
URL: https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2019-winter-project2?action=diff&version=18
-----------------------------------------------
Document ID: 11141, Score: 0.7741
URL: https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2018-winter-project5-mysql-master-slave?action=diff&version=4
-----------------------------------------------
Document ID: 11499, Score: 0.7731
URL: https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2018-winter-project1-git?action=diff&version=6
-----------------------------------------------
Document ID: 10887, Score: 0.7697
URL: https://grape.ics.uci.edu/wiki/public/wiki/cs122b-2018-winter-project1-git?version=1
-----------------------------------------------
Elapsed time: 74.39 ms
ssha2@ics46-ssha2 22:20:59 ~/cs121/cs121_A3
$ █
```

Reflection:

Did your report show up on time?

- Yes, as seen by the time tracker in our code, our search runs well within the 300ms limit.

Are the reported URLs plausible?

- Yes, the reported URLs do contain the query elements as a Boolean search. Modifications could be made in M3, but for the purpose of purely Boolean search, this current iteration functions well.