

Path Fix

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Undergraduate Bulletin | Fall 2022

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Program Home
Description
Degrees and Requirements
Courses
Sample Course Sequence
SBC
Faculty

CSE: Computer Science

CSE 101: Computer Science Principles

Introduces central ideas of computing and computer science, instills practices of algorithmic and computational thinking, and engages students in the creative aspects of the field. Also introduces appropriate computing technology as a means for solving computational problems and exploring creative endeavors. Includes weekly computer programming assignments, but assumes no previous programming experience. May not be taken by students with credit for CSE 114 or CSE 160.

Prerequisite: Level 3 or higher on the mathematics placement examination

Anti-requisite: May not be taken by students with credit for CSE 114 or CSE 160

SBC: TECH

3 credits

CSE 102: Introduction to Web Design and Programming

An introduction to the design of Web pages, specifically the development of browser and device independent HTML, with an emphasis on the XHTML standards. Includes the use of style sheets (CSS) and tools for page layout and verification. HTML is presented as a mark-up language, exploring the rules of HTML elements and attributes. Students learn the separation of page viewing information from the HTML through CSS style sheets as well as the use of block layout without using HTML tables. Addresses HTML display properties including text, color, image, and graphic elements as well as approaches to HTML validation and techniques.

Advisory Prerequisite: CSE 101 or basic computer skills

SBC: TECH



Worksheets

Student ID
****6114Name
Chaite, Sabrina AkterDegree
Bachelor of Science**Level** Undergraduate **Classification** Sophomore U2 **Majors** Computer Science, WISE Honors **College** Engineering & Applied Sciences**Notification** GRADUATION APPLICATION FOR DEC '22/JAN '23/ MAY '23/AUG '23 IS NOW OPEN ON
Admit Term 1218 SOLA**Elective Credits Remaining** 16[Academic](#)[What-If](#)Format
Student View

Degree progress



Requirements



Credits

Overall GPA
3.73

Audit date 09/12/2022 12:24 AM

[Collapse all](#)

Degree in Bachelor of Science

INCOMPLETE

Credits required: 120 Credits applied: 52 Catalog year: Fall 2021

Unmet conditions for this set of requirements: 120 credits are required. You currently have 52, you still need 68 more credits.

You meet the minimum GPA requirement

General Education Requirements

Still needed:

See [Stony Brook Curriculum Requirements](#) section

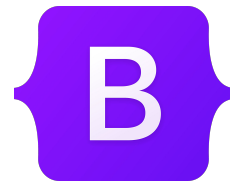
Tech Stacks

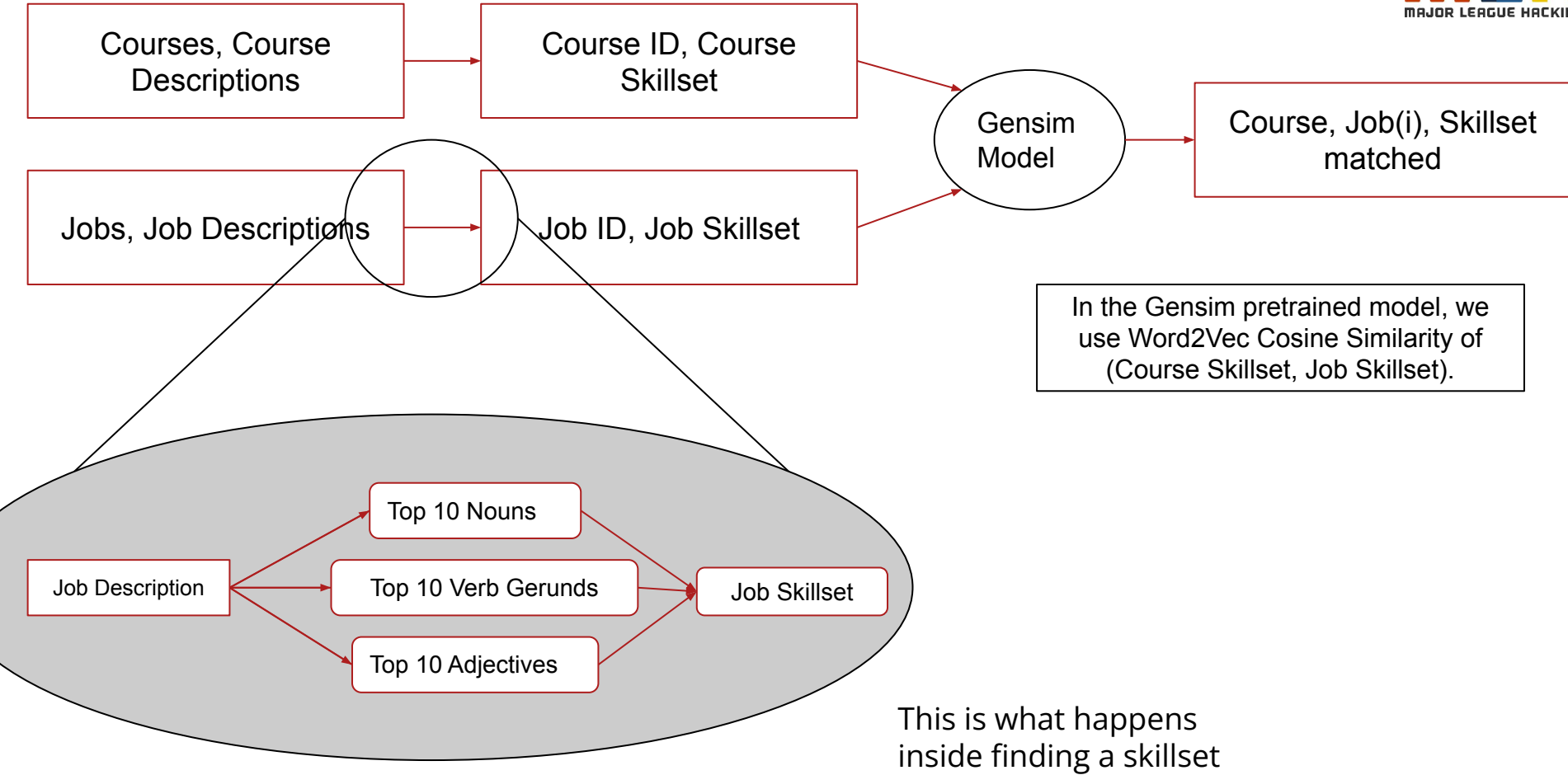
Flexible, Scalable, and Agile!

django



flake8

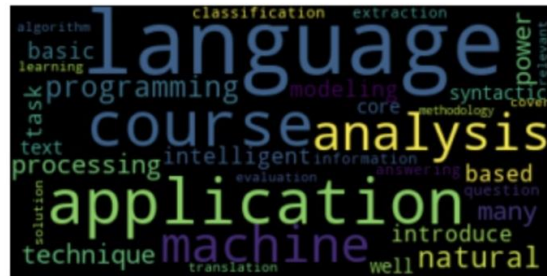




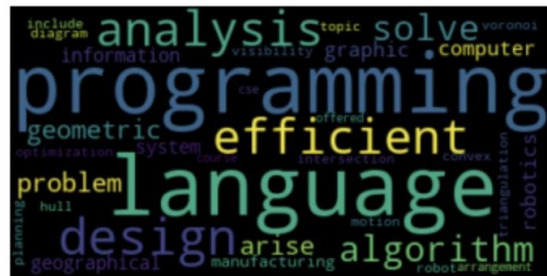
	course_title	skills
0	CSE 101	[coding, programming, writing, exploiting, exp...
1	CSE 114	[registering, hiding, programming, exploiting,...
2	CSE 214	[programming, searching, sorting, exploiting, ...
3	CSE 215	[programming, filtering, exploiting, explainin...
4	CSE 216	[programming, passing, including, existing, ex...
5	CSE 220	[pipelining, including, programming, exploitin...
6	CSE 300	[writing, programming, existing, explaining, f...
7	CSE 301	[computing, programming, exploiting, explainin...
8	CSE 303	[considering, relating, turing, including, exp...
9	CSE 304	[programming, existing, explaining, exploiting...
10	CSE 305	[programming, existing, explaining, exploiting...

Snippet of output for skill sets' retrieval

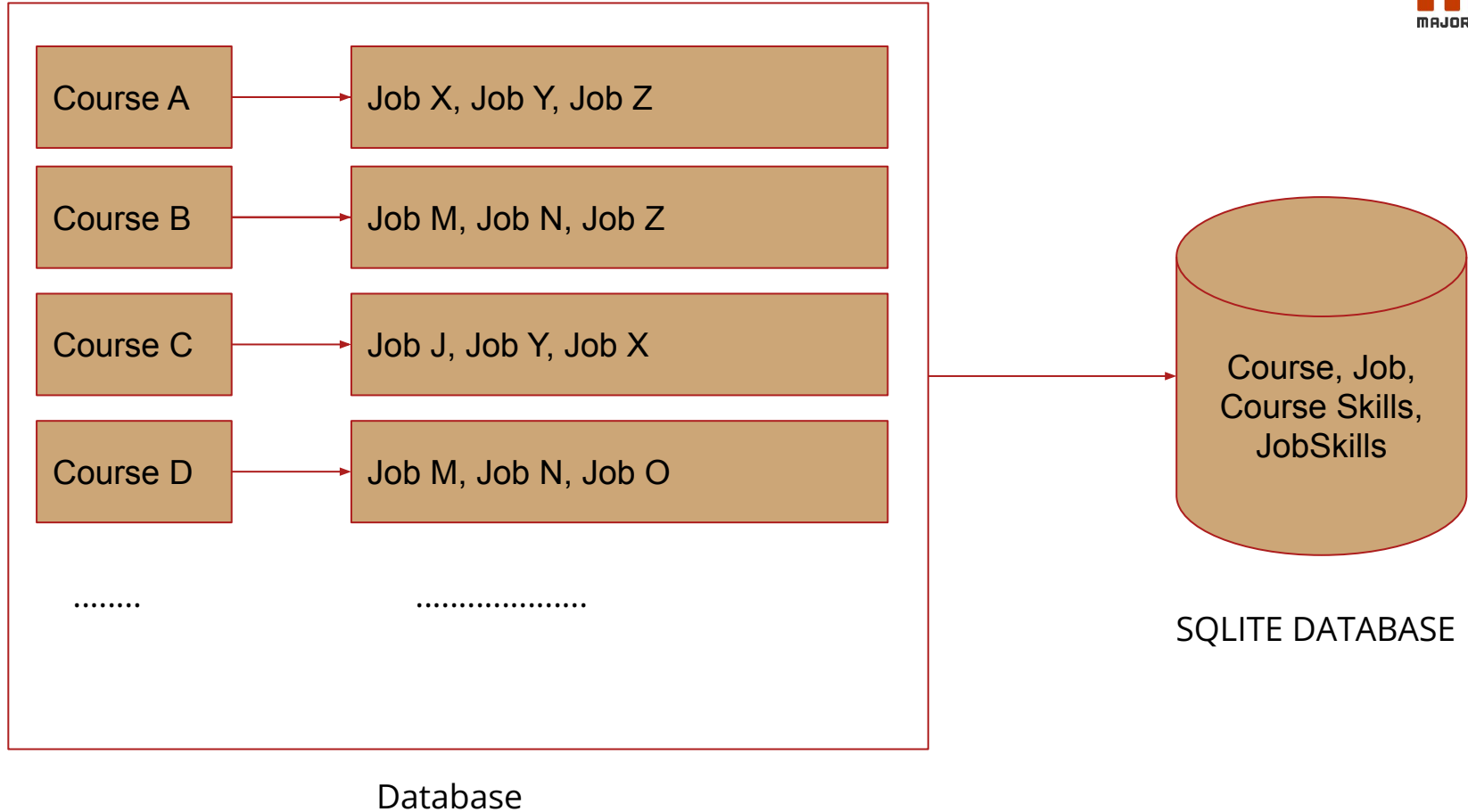
*** CSE 354 ***



*** CSE 355 ***



Example Word Cloud for Course Skill sets



The Demo

More features coming soon!

- Adding direct links to the Jobs and additional courses from online platforms like: Coursera, Udemy.
- Adding Alumni experience. Moreover, building network with people of similar interests.



If Fodor is teaching a class, TAKE IT WITH HIM FOR AN EASY A

Year One

20

Fall 2019	Credits	Spring 2020	Credits
WSE 101	1	WSE 105	1
CSE 114	4	CSE 214 (Data Structures)	4
----	-	CSE 215 (Discrete Math)	4
		Natural Science	3
		AMS 210 (Linear Algebra)	3
Total	5	Total	15

Year Two

26

Fall 2020	Credits	Spring 2021	Credits
WSE 380 (Research Rotation)	3	WSE 205	1
CSE 220 (Assembly)	4	CSE 320 (OS)	3
CSE 303 (Theory of Computation)	3	CSE 300 (Professional Dev)	3
AMS 301 (Graph Theory)	3	AMS 310 (Statistics)	3
		SBC / Natural Science	3
Total	13	Total	13

Year Three

28

Fall 2021	Credits	Spring 2022	Credits
WSE 381	1	WSE 201	3
WSE Practicum	2	CSE 316 (Web)	3
CSE 373 (Algorithms)	3	CSE Elective	3
CSE 216 (Paradigms)	4	SBC / Natural Science	3
CSE 312 (Ethics)	3	CSE 310 (Networks)	3
(If you're a AMS double, take 355)			
Total	13	Total	15

Year Four

25

Fail 2022	Credits	Spring 2023	Credits
TA	3	TA	3
WSE 495	3	WSE 496	3
CSE 416 (Software Dev)	3	CSE Elective	3
CSE Elective	3	CSE Elective	3
		WSE 405	1
Total	12	Total	13

Any Questions?