

Danielle Hatten

Software Engineer with a Bachelor's Degree in Computer Science seeking to learn what's new and diverse and to create what's new and diverse.

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EDUCATION

Bachelor of Science in Computer Science

University of Illinois at Chicago | May 2020

Relevant Courses: Software Engineering I & II, Data Structures, Database Systems, User Interface Design and Programming, Visualization and Visual Analytics, Introduction to Data Science, Artificial Intelligence

PROJECTS

Huffman Coding — *Java*

Java program to encode and decode text using the Huffman Coding algorithm.

Demonstrates knowledge of OOP concepts, binary trees, and priority queues.

15 Puzzle — *Python*

Utilize knowledge of search algorithms to find the solution to a given grid configuration for the classic puzzle, *15 Puzzle*.

Demonstrate understanding of search algorithms, such as, Breadth First Search, Iterative Deepening Depth First Search, A Star Search, and Iterative Deepening A Star Search.

Yelp Search — *Python*

Read and utilize Yelp Fusion API documentation to understand the format of Yelp data and display relevant restaurant data to users.

Send authenticated, parameterized requests to the Yelp API endpoint to retrieve restaurant data by location, ratings for a given restaurant, etc.

Use web scraping and JSON parsing to view review text and individual users' rating for a restaurant.

Research and use Beautiful Soup to parse the HTML of a Yelp restaurant page to extract the reviews in an organized structure.

Git Repositories — *Scala*

Demonstrates knowledge of OOP concepts and GraphQL through program that extracts and organizes repositories from Github

SKILLS

Python
Java
Scala
R
F#
Git
SQL, MySQL
C, C++
HTML/CSS
JavaScript
REST APIs
iceScrum

INVOLVEMENT

National Society of Collegiate Scholars Organization based on good academic standing.

National Society of Black Engineers Organization to connect Black Engineers in the Chicago area, provide resources, etc.

Women in Computer Science Organization to gain and share resources to further careers, provide information, and build interest.

100 Chicago (Collegiate 100) Volunteer and mentor organization.