

Danielle Hatten

Software Engineer with a Bachelor's Degree in Computer Science seeking to learn and 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, Web and Multimedia Technology, 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.

Git Repositories— *Scala*

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

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.

SKILLS

Python

Django

Java

Scala

R

Git

SQL, MySQL

C, C++

HTML/CSS

JavaScript

REST APIs

iceScrum

Data Modeling

Data Migration

Windows XP/7/8/10

MacOS

Linux

INVOLVEMENT

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.