

Lauren Szabo

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SKILLS

Programming Languages: Java | Python | JavaScript

Frontend: HTML | CSS | JavaScript | React

Database: SQL | MongoDB

Frameworks: Bootstrap | Node.js | Express.js | Hadoop | Tailwind | Next.js | Spring/SpringBoot

EXPERIENCE

Adjunct Professor | SUNY New Paltz | New Paltz, NY | January 2024 – Present

- Lectures on foundational techniques for designing dynamic web pages. Emphasis was placed on hands-on experience, guiding students in creating and maintaining web pages using HTML, CSS, and JavaScript.
- delivered comprehensive instruction on the strategic application of CSS and design principles to elevate the visual appeal and styling of web pages.

Computer Science Teaching Assistant | SUNY New Paltz | September 2022 – December 2023

- Led Computer Science labs, guiding students through foundational coding exercises focused on key topics like Java language and data structures.
- Tutored students in both Computer Science 1 and 2, offering individualized support addressing specific challenges and clarifying concepts related to foundational topics in Java and data structures.

Art Teacher | Harborfields & Oyster Bay High School | Greenlawn, NY | December 2020 – June 2022

- Leave replacement teacher for Photo 1-2, Studio art, and Drawing & Painting.
- Creative Director for the Spring 2021 play at Oyster Bay Middle school.
- Designed and crafted visual arts lesson plans, PowerPoint presentations, worksheets, and demonstrations. Also, developed rubrics to facilitate student success in their projects

PROJECTS

Stock Trading Web App | February 2024 – Present

- Developed a paper trading platform for stock enthusiasts using React, JavaScript, SQL, SpringBoot, and Java.
- Integrated the Finhub API to provide real-time stock information.
- Utilized Spring Boot (Java) for the backend to manage user data.

Machine Learning Song Recommender | September 2023 – December 2023

- Developed a decision tree algorithm from scratch for music preference analysis, achieving 90% accuracy in predicting liked songs utilizing Spotify's API for song metrics

Recipe Website | January 2023 – March 2024

- Developed a React-based recipe website that leverages the Spoonacular API.
- Users can search for recipes, view detailed information, and access cooking instructions.
- Demonstrates proficiency in React, API integration, and JavaScript.

Note Taking Full stack Web Application | October 2022 – December 2022

- Developed a full-stack note-taking app using JavaScript, SQL, Node.js, Express, HTML, and CSS.
- Users can log in, create, save, and view notes—essentially an online notebook.
- Demonstrates proficiency in responsive web development and database management.

EDUCATION

Masters in Computer Science | SUNY New Paltz | New Paltz, NY | 2024 | 3.87

Bachelor of Science in Education | SUNY New Paltz | New Paltz, NY | 2020 | 3.89
