Colbe Roberson

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Skills

Languages & Frameworks: Python, C, C++, JavaScript, HTML, CSS, React, Flask
Software & Tools: MySQL, MongoDB, Linux, Git, Docker, Jenkins

Education

B.S. Computer Science / New Jersey Institute of Technology / 3.0   Sept 2019 – May 2023
- Fall 2019, Spring 2021 Deans List

Relevant Coursework:
- **Guided Design in Software Engineering (CS 490):** This course focuses on the methodology for developing software systems.
- **Advanced Data Structures and Algorithm Design (CS 435):** Advanced topics in data structures and algorithms, involving sequences, sets, and graphs such as searching, sorting, balanced search tree operations, graph traversals, graph connectivity, and path problems, work completed in C++.

Experience

Sparta Systems / Software Engineer Intern   May 2022 – Aug 2022
- Updated an internal tool to improve QE testing efficiency using Vue, Spring Boot, and Java
- Improved ease of access to an internal tool using Jenkins, Docker, and Artifactory
- Created pages and reusable components for a new project using React, JavaScript, HTML, and SCSS.

Projects

Simply Weather / GitHub Repo / https://simplyweatherapp.herokuapp.com/
- Created a website that allows users to search for weather details by location.
- Utilized Python, Django, CSS, Bootstrap, HTML, and JavaScript.
- Integrated with OpenWeatherMap API and deployed to Heroku.

Maze Creator and Solver / GitHub Repo / https://maze-creator-and-solver.herokuapp.com/
- Developed a website that uses various algorithms to generate downloadable mazes with solutions.
- Utilized Python, Flask, React, HTML, CSS, Bootstrap, and JavaScript.
- Deployed to Heroku using Docker.

Activities & Organizations

Association for Computing Machinery / Club Member / NJIT   Sept 2021 – Present
- Met weekly with other members to discuss computing events around the school.
- In the web committee, where other members and I meet each week to revamp the ACM website.

Programming Team / Club Member / NJIT   Sept 2021 – Present
- Studied data structures and algorithms prevalent in competitive programming.
- Formed groups with other students to solve LeetCode and HackerRank problems on previously discussed topics.