Benjamin Lewis

Front End Developer

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Profile

Passionate about programming, I have learned several languages, which I practice through doing projects and building websites. I am acutely aware when a process could be improved and am committed to finding a solution. I am interested in obtaining an internship to learn more about the field of computer science.

Projects & Extracurriculars

Wack-A-Mon

- Developed an online game showcasing the use of finite state machines in JavaScript
- Adaptive difficulty based on how well the user is preforming
- Saves data to a high score list so that you can compare your score with friends.

AI Based Tic-Tac-Toe

- Implemented machine learning in tic-tac-toe using MATLAB.
- Uses math-based fundamentals of AI rather than plug-ins

NCSU FEDD project (First Year Engineering Design Day)   Fall 2019

- Practiced the engineering design process, including research, development, and testing
- Spearheaded the team's design and production, ultimately building the final device
- Earned 1st place in assigned project

Work Experience

Teachers Assistant MATLAB – NC State University, Raleigh, NC   Aug 2020-Present

- Taught Lab section of 50 students to help them better understand material
- Made decisions to make the lab time a more efficient environment for learning.
- Helped many students see an increase in grade of up to 20%
- Held weekly office hours for guiding students towards finding homework solutions
- Frequently Grade students' coursework along with reviewing grade disputes.

Education

North Carolina State University, Raleigh, NC   December 2022

B.S. in Computer Science, Minor in Mathematics
Major GPA: 3.9/4.0

Relevant Coursework

Introducing to Computing – MATLAB, Intro to Computing – Java, Intro to Computing Environments, Software Development Fundamentals, Data Structures and Algorithms, C and Software Tools, and finally Automata, Grammars, and Computability

Skills

Technical: Proficient: java and MATLAB. Intermediate: Linux, C, JavaScript, PHP, HTML, CSS, SolidWorks, jQuery, and React. Well-acquainted with cPanel and exposed to python and C#.
Interpersonal: Focused on finishing tasks before deadlines and maintaining a well-developed schedule; Able to articulate and convey confusing concepts; Ensures that given instructions are understood clearly. Overall hardworking, personal, curious, creative, and inventive.

references available upon request