Benjamin Lewis
Full Stack 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 learning more about computer science and making a lasting impact in computing.

Projects
DuckTyper - https://www.npmjs.com/package/ducktyper
- Type manager for maintaining input validation for large scale js projects
- Utilizes duck typing to allow high re-usability of types/typed functions
- fast, clear, and easy to read input validation

Eventador - https://www.npmjs.com/package/eventador
- Event manager that adds more options to the standard events in js
- Provides easy support for multi-key press events
- Works with any js framework

Usability-Tracker - https://www.npmjs.com/package/usability-tracker
- Used to reduce the need for expensive usability-testing
- Supports rudimentary playback of user actions in browser

Alien Invasion! - http://alien.lewibs.com/
- Threejs project which was done in order to test a architecture for PowerN
- Uses OOP abstraction to produce clean and easy to read/maintain code

Work Experience
Frontend Developer Full-time – PowerN NC   Jan 2021-Present
- Lead the technical development of the front end team
- Conduct the weekly sprint meetings
- Designed the front end architecture for an industry level product
- Helped hire and train new interns
- Managed the overall technical development of the web application

Teachers Assistant MATLAB – NC State University, Raleigh, NC   Aug 2020-Dec 2021
- Taught Lab sections 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%

Education
North Carolina State University, Raleigh, NC   May 2023
B.S. in Computer Science
GPA: 3.5/4.0

Relevant Coursework
Operating systems, Social computing and decentralized artificial intelligence, Data Structures and Algorithms, C and Software Tools, Software Development Fundamentals, Automata, Grammars, and Computability

Skills
Languages: JavaScript, typescript, golang, python, java, c, assembly, bash, MATLAB, Haskell, PHP, HTML, CSS, nativescript
Technical: AWS, cPanel, NestJs, mongoose, IFC.js, Spring, eclipse, linux, mongoDB, gin, node, OOP, functional, React, axios, potree, MUI, three.js, jquery, styled-components, heroku, docker, redux, SQL, angularjs, agile development, UML, multi-threaded, and asynchronous software.
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.