

## EXPERTISE

- Strong foundation in core web design, including HTML, JavaScript and CSS
- Knowledge and experience using React
- Understanding of the modern work tools Git and GitHub, with practice in a team codebase
- Capable of both server-side and client-side rendering with practice in EJS and Handlebars.js
- Built full-stack projects with MongoDB and Node.js
- Familiar with Django and PostgreSQL

## EDUCATION

### General Assembly, Raleigh NC

March 2021–September 2021 - Full Stack Development Cohort

### Appalachian State University, Boone NC

August 2019–May 2020 - Computer Science Focus

### Leesville Road High School, Raleigh NC

August 2015–May 2019 - GPA: 3.875 Weighted - A/B Honor Roll

## WORK EXPERIENCE

### Signal, Raleigh NC

October 2021–December 2021 (contract project)

- Worked closely with internal design team to transform an HTML5 game into a customized marketing promotion for ThermoFisher Scientific (release date Fall 2022)
- Extensive JavaScript use

### Jersey Mike's, Raleigh NC

February 2019–Current

- Shift leader & employee management
- Customer service, food preparation, inventory and stocking

### Triangle Rock Club, Raleigh NC

August 2018–February 2019

- Track out camp guide for school age climbers
- Safely belaying, organizing games and other enrichment activities for students

## INTEREST/OTHER

- Efficient in both Mac OS and Windows
- Currently working on mobile game in SwiftUI for personal interest
- Rock climbing, music, tennis, anime, sudoku and math



## Projects

All code and deployments visible via my personal website [gibsoncodes.com](https://gibsoncodes.com)

### Mentalmania

I devised this site for personal gain. Always refusing the calculator when I could and sharpening over time. Mentalmania however is more like war. Join the fight with five categories, four difficulties (including absolutely freaking crazy) and a reward system that you will have to see for yourself. Along with the react front end, I developed the math generators for each category. Seriously, I hope you enjoy.

### CRUD Your Socks Off

This app allows users to customize socks in the browser. The body of the sock can host vertical and horizontal stripes or a checkerboard look, solely using DOM-manipulation and is connected to MongoDB to provide full CRUD functionality.

### Who's Up

"Who's Up" uses the Google API to allow users to view a list of nearby open restaurants, along with high-level details. Obtains the user's location via the browser, then calls backend logic to obtain locations within a specified range. Use of a loop and a promise timer to process results.

### The Path

"The Path" is a passion project and 2d iOS mobile game built in SwiftUI. Using SwiftUI's shape-view, one hundred unique pen-drawn trees are brought to life. Players draws a connected series of arcs of their choosing representing the 'path' that trees grow out of. Trees stack upon one another to create unique designs and grow and animate from the ground up. With much trial and error I hard coded a scalable series of lines that represent each tree. The player draws a connected series of arcs of their choosing representing the 'path' that trees grow out of. This functionality was brain-racking and I employed trigonometry and calculus knowledge from my past.

### Simon

A custom, digital remake of the memory game Simon. Includes simple random number generation logic and several event-listeners to query the DOM.



### General Assembly – Full Stack Development Cohort

After researching options for CS degree alternatives, I landed on General Assembly impressed by the curriculum, and it did not let me down. The course emphasized project and lab based learning, drilling home the lecture topics. Throughout the course we practiced real-world workflows, participating in stand-up meetings and scrum practices.

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### Appalachian State University – CS Focus

In my time at ASU I completed two semesters worth of programming material and related mathematics. The courses I consumed covered the fundamentals of computer science, written in Java. I thoroughly enjoyed the material and enhanced my understanding of OOP, data structures, space and time complexity, and algorithmic thinking. When courses moved online, and mental health complexities arose. I decided to withdraw from the University. However my desire to learn, and develop did not stop.

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### Online Programs – Self Education

Between classes at Appalachian State, various online platforms (Codecademy, Udemy, Leetcode, etc') were explored to further educate myself in the art of software development. The most noteworthy being Leetcode. For several months in the latter of 2020 I was devoted to Leetcode and the way of the problem solver. I continue to practice and have currently completed 117 problems ranging all three difficulties, covering several data structures and problem solving methods. My stats are visible under the username gibsoncodes and my GitHub repository titled none other than leetcode, contains my prouder solutions.

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### Jersey Mike's – Work Ethics

Full time hours and a perfect attendance. This is where I developed a rigorous work ethic and a desire to give all I have to the mission at hand. My duties covered nearly every aspect of the store, including opening and closing, inventory, and food safety. Day in day out I led a team of 4-7 people at one of the busiest locations in Raleigh. Ensuring every sub sandwich was made to perfection in a timely manner, all while giving great service and having a good time.

