

EXPERTISE

- Strong foundation in core web design, including HTML, JS 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

Jersey Mikes, 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

Mountain Markers, Raleigh NC

October 2017–Current

- Started an on-line rock climbing gift company
- Assisted with photography, social media and sales

INTEREST/OTHER

- Rock climbing, music, tennis, anime & math
- Efficient in both Apple and PC
- Currently working on mobile game in SwiftUI for personal interest



Projects

All code and deployments visible via my personal website gibsoncodes.com

CRUD Your Socks Off

The app allows users to customize socks in browser. Hence the name, the app is hooked up to MongoDB and socks get the full CRUD treatment. My joy in this project comes from the code written for the user to build their socks. With solely DOM-manipulation the body of the sock can host vertical and horizontal stripes or a checkerboard look, at the user's will. Each individual part, or rather div container can be colored by clicking through a large array. I ensured that upon decrementing either stripe option, the excess div containers were garbage collected.

Who's Up

Designed for ease of use, and the night-owl. Who's Up simply returns a list of open restaurants and their minor details, within the user specified range. As a proof-of-concept the maximum is four miles so as not to overwhelm my Google-API limits. While I do believe the app is useful and practical, my priorities were in experimenting with Google's tools, possibly the most used API ever. One "squashed bug" was ensuring that when grabbing a users location via the browser, the data was established before calling my backend logic. Using a loop and a promise timer it was trivial.

The Path

With no prior-knowledge of Swift and IOS development I set out to learn through a long-term project that is "The Path". Between my full-time job at Jersey Mikes, school, and my elaborate plan to take over the world, "The Path" is a passion project and mobile game built in SwiftUI. A 2d game that revolves around code-drawn trees. I have personally designed and coded over one hundred vastly unique trees that not only can stack upon one another to create unique designs but grow and are animated from the ground up. Using SwiftUI's shape-view I brought my pen-drawn trees to life. 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

Using no frameworks I developed a digital remake of the memory game Simon. Four different color schemes ensure the user a good time. I'll admit there is a bit of gag humor where the "dabbing" stick figure is concerned. Code-wise there is simple and dry RNG logic and several event-listeners. I value this project and the years it took querying the DOM, growing hair on my chest. I would have a lackluster understanding of frameworks had I not given the essential languages the time they deserve.



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 standup meetings and scrum practices.

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.

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.

Jersey Mikes – 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.

