

Rodrick V. Lankford

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Education:

Carleton College, B.A. Computer Science

Northfield, MN | Sep 2019 – June 2023

Courses: Intro To Computer Science, Calc 1, Computational Media, Computer Systems, Data Structures, Math of CS, Digital Humanities, Software Design, Programming Languages, Algorithms, Computer Graphics, Artificial Intelligence, Computation and Complexity, Linear Algebra, Data Visualization.

Relevant Experience

SayKid - Externship

Remote | Dec 2021 - Jan 2022

- Worked with a team to successfully test and develop several interactive games using natural language processing and JavaScript.
- Used APIs to create search queries that allow SayKid's toy robots to give appropriate responses.

Best Robotics in Texas - Group Manager

Texas | Nov 2018 – Jan 2019

- Successfully developed a rover-type robot whose code was designed to throw and pick up tokens and tennis balls to score points.
- My team also marketed our robot using detailed design schematics and an overview of our code to a panel of judges.

Vex Robotics in Texas - Team Manager

Texas | Oct 2018– Dec 2018

- Built and Designed a robot from scratch, made out of wooden planks, copper wires, and vex tools. This robot was designed with the intention of simulating a tool that marine engineers could use to gather waste in the ocean.
- Ran several tests ensuring that the robot's code ran efficiently, and helped coordinate communication and strategies between the coding and engineering groups.

SayKid - Internship

Remote | June 2022 - Sep 2022

- Worked with a partner to successfully create a game using VoiceFlow and JavaScript for SayKid's interactive toy robot.
- Additionally, I helped develop SayKid's website using DynamoDB, Elementor, AWS, CSS, HTML, PHP, and WordPress.

Work Experience

Print Services - Student Assistant

Northfield, Minnesota | Sep 2019 - June 2023

- Handled service requests regarding printing and formatting, documents, posters, and other similar materials.
- Communicated with staff about how to accomplish daily tasks and jobs.

Krogers Employee - Courtesy Clerk

Balch Springs, Texas | July 2019 - Sep 2019

- At Krogers, I greeted customers, bagged groceries, restocked shelves, and worked to fulfill customers' needs.

Amazon Employee - Package Handler

Wilmer, Texas | July 2020 - Sep 2020

- My job was to scan packages and transport large shipments throughout the site.

Projects

Amazon-Clone (**Link to Site:** <https://clone-311b0.web.app>) | [Javascript, React, Github, Firebase, HTML]

Feb 2022– Ongoing

- A website that's identical in functionality in appearance to Amazon's website in 2022.
- Currently supports login capabilities using Firebase auth, and checkout functionality that implements react reducer.

Olympics Data Website | [Java, Javascript, Github, Html, Python]

Oct 2021– Dec 2021

- Takes Olympic data from Kaggle and creates APIs for specific search queries.
- Applies search filters and obtains data using SQL queries allowing for the implementation of end-to-end functionalities.

Pictionary Website Game | [Socket.io, JavaScript, HTML, Github]

Sep 2022-March 2023

- This was a full-stack online game which required the application of OOP and heavy usage of version control.

Trivia Quiz | [Python, Github]

Nov– Dec 2020

- Uses a grammar engine to randomly select questions with their assigned answers.

Text Reader and Pathfinder | [Python]

May– June 2020

- Connects words in text files with nodes and edges that can be retrieved through the terminal in order to get the targeted paths to specific words.

Activities

DevX - Member

Sep 2020 - 2021

- Worked with other students on developing skills in application development and data structures.

Black Student Alliance (BSA) - Member

Sep 2019 - 2023

- A community that cultivates a sense of togetherness within the African American student body on campus.

Men of Color (MOC) - Member

Sep 2019 - 2022

- A group of intellectual men of different ethnic backgrounds that pursue successful careers and lifelong relationships.

Skills: JavaScript, HTML, CSS, Python, Java, Socket.io, C, Git, ReactJS, OOP, Agile Methods, AWS, Firebase, VoiceFlow, Elementor, WordPress.